ZAMBIA REVENUE AUTHORITY

My Tax
Your Tax
Our Destiny

ZRA VSDC API DOCUMENTATION

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Smart
INVOICE
Invoice the Smart Way

Table of Contents

1. **Introduction** 2
   - 1.1. **Overview** 2
   - 1.2. **Audience** 2
   - 1.3. **Technical Reference** 2
2. **Getting Started** 3
   - 2.1. **VSDC Registration** 3
   - 2.2. **VSDC Setup and Initialization** 3
   - 2.3. **VSDC Services** 3
   - 2.4. **VSDC Versions** 4
   - 2.5. **VSDC Response Codes** 4
   - 2.6. **Interacting with the VSDC API** 5
   - 2.6.1. **Sample Request Illustration using Postman API Client** 6
3. **VSDC Service Operations** 7
   - 3.1. **Device Initialization** 7
   - 3.2. **Code Data** 9
   - 3.3. **Branch Information** 13
   - 3.4. **Item Information** 19
   - 3.5. **Import Information** 23
   - 3.6. **Sales Information** 26
   - 3.7. **Purchase Information** 31
   - 3.8. **Stock Information** 39
4. **Code Definition** 46
   - 4.1. **Tax Type** 46
   - 4.2. **Taxpayer Status** 46
   - 4.3. **Product Type** 46
   - 4.4. **Countries code** 46
   - 4.5. **Packaging Unit** 53
   - 4.6. **Unit of Quantity** 55
   - 4.7. **Currency** 56
   - 4.8. **Transaction Type** 61
   - 4.9. **Sales Receipt Type** 61
   - 4.10. **Payment Method** 61
   - 4.11. **Transaction Progress** 61
   - 4.12. **Registration Type** 62

4.13. **Purchase Receipt Type** 62
4.14. **API Response Code** 62
4.15. **Stock In/Out Type** 63
4.16. **Refund Reason Code** 63
4.17. **Item code** 64
4.18. **Import Item status** 64

Acronyms

ZRA – Zambia Revenue Authority

VSDC – Virtual Sales Data Controller

API – Application Programming Interface

ERP – Enterprise Resource Planning

CIS – Certified Invoicing Solution

TPIN – Taxpayer Identification Number

REST – Representational State Transfer

JSON – JavaScript Object Notation

HTTP – Hypertext Transfer Protocol

UAT – User Acceptance Testing

WAR – Web Application Archive

JAR – Java Archive

ASYCUDA - Automated System for Customs Data

1. Introduction

1.1. Overview

Smart Invoice is a software solution implemented by the Zambia Revenue Authority (ZRA) to facilitate and execute electronic invoicing processes and optimize stock management. It serves as a comprehensive tool utilized by all taxpayers and business proprietors to oversee and conduct various invoice transactions, monitor stock levels, track stock movements, and efficiently manage operations across multiple branches or locations. In instances where taxpayers utilize their independent invoicing solutions, ZRA extends support through a Virtual Sales Data Controller (VSDC), that acts as a seamless bridge between third-party invoicing systems and ZRA Smart Invoice. This documentation is designed to provide developers and third-party integrators with comprehensive information on essential components, including API endpoints, data models, and guidance on seamlessly integrating external invoicing systems with the Smart Invoice through the VSDC API.

1.2. Audience

The intended audience for this document includes users of private Enterprise Resource Planning Systems (ERPs), and third-party invoicing solution vendors/developers.

1.3. Technical Reference

The VSDC API provides functionality in two distinct environments: Test and Production. In the developmental phase, the Test API is utilized to prevent any impact on live production data. Conversely, once the development is complete and the system is ready for use, the Production API is deployed in the live environment for seamless integration and operational purposes.

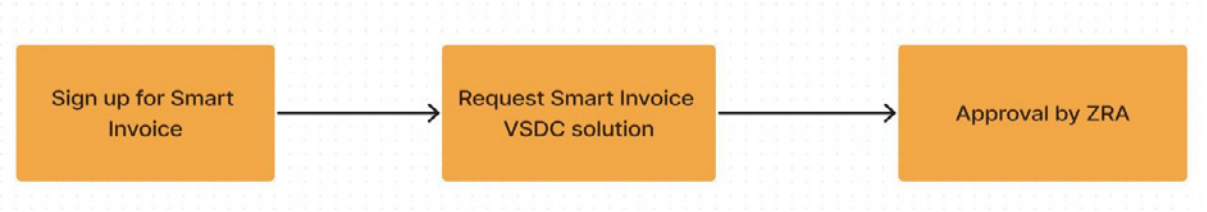
Other technical details to be used for reference are outlined in the table below.

Title	Content
Supported Programming Languages	All
Architectural Style	REST
Communication Protocol	HTTP
Data Exchange Format	JSON
Supported Operating System	Windows 10+, Unix, Linux
Supported Webservers	Apache HTTPd server, Apache Tomcat, Eclipse Jetty
VSDC Distributed Package	WAR/JAR
VSDC API Base URL (Production/Test)	http://<hostname or ip running vsdc.war>:<server.port>

2. Getting Started

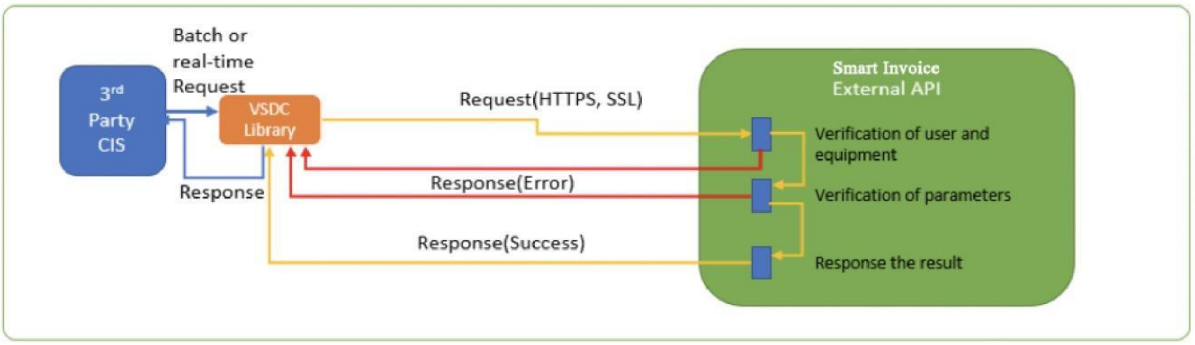
2.1. VSDC Registration

To utilize or engage with the VSDC API, individuals must first register on the Smart Invoice Taxpayer Portal. Following registration, they need to apply for a VSDC service, undergo technical and administrative verification and await approval. After approval by ZRA, the VSDC is provided to the user as a WAR file, which they can deploy and set up in their local server for utilization. The following diagram provides a visual representation of these steps.



2.2. VSDC Setup and Initialization

After successfully deploying the VSDC API on your local server, activate the VSDC for data transmission and reception as outlined in the highlighted steps during the device initialization stage. This action involves device verification, generating security keys for communication, and delivering these keys to your device. After completing this stage, you can commence the transmission and reception of transaction data with the Smart Invoice API server. The following diagram provides a visual representation of this process.



2.3. VSDC Services

The services offered by the VSDC are organized into eight (8) categories based on their respective purposes. The following section provides a brief introduction to the purpose of each category.

1. Device initialization
   a. The initialization process is used to set up connections, verify the device's identity, generate security keys, load configuration settings, and prepare the device for interaction with the Smart Invoice API server.
   b. The methods in this category are only invoked during the initial use of the VSDC.
2. Code Data
   a. The standard codes and data encompass item classification codes, location codes, package type, units of measurement, and weight codes. For further details, refer to the Code Definition section.

b. The methods in this category fetch standard codes and data from the Smart Invoice API server.

3. Branch Information
   a. The methods in this category transmit specific branch information, including details about customers, staff, and items.
4. Item Information
   a. An item refers to a product or service offered or sold by a taxpayer.
   b. The methods in this category transmit details of products or services that are registered in a taxpayer's CIS/ERP system.
5. Import Information
   a. The methods in this category facilitate the exchange of all data associated with items imported by a taxpayer, which have been declared in the ZRA customs system ASYCUDA.
6. Sales Information
   a. Sales data includes specific details associated with a customer, sale, and the generated invoice. This may include details such as the customer's TPIN, sale type, invoice number, and the date/time of the sale.
   b. The methods in this category are used to transmit sales data from a taxpayer's CIS/ERP to the Smart Invoice API server.
7. Purchase Information
   a. The methods in this category send and receive items sold from one taxpayer to another, storing them in their CIS/ERPs as stock items.
8. Stock Information
   a. The methods in this category transmit information related to the taxpayer's stock, including details about stock status, movements, and adjustments.

2.4. VSDC Versions

The API version is determined by the release date of a new version and is influenced by the nature of the changes it undergoes. Major updates will prompt a change in the API version, while minor updates will not. Major updates include one or more of the following:

- Removing a VSDC service.
- Removing, renaming, or modifying a parameter, resource, method, or header.
- Making a previously optional parameter mandatory or adding a new mandatory parameter.
- Modifying the format of resources, methods, parameters, or headers.
- Modifying the security or authentication requirements of resources or methods.

Taxpayers will consistently receive notifications regarding the most recent additions and modifications in a new API version, along with the distribution of an updated API specification document.

2.5. VSDC Response Codes

The API utilizes standard HTTP response codes to communicate API request success or failure. In addition, custom response codes have been added to the JSON response body to indicate the

specifics of the API request. Refer to Chapter 4 the API response codes section for further details.

2.6. Interacting with the VSDC API

This section describes the elements that make up a VSDC API request:

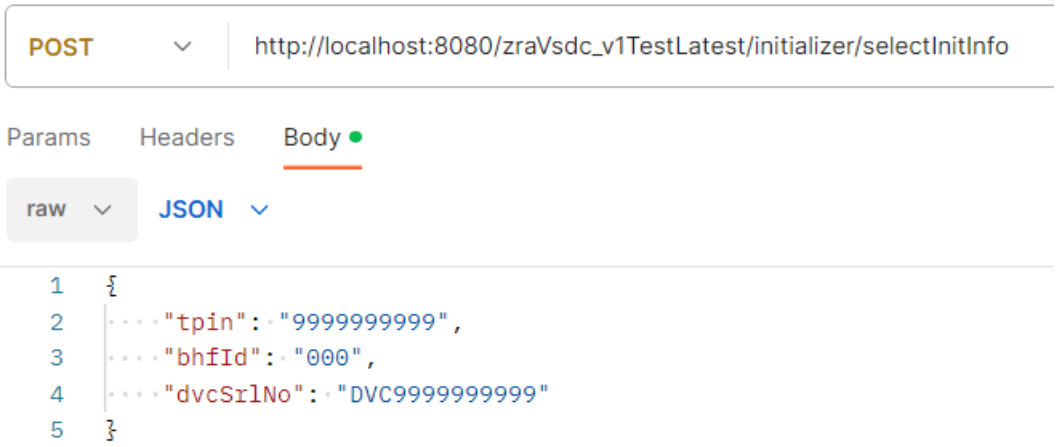
1. **Endpoint** – represents the URL path dedicated to a specific service, designed to execute a particular operation.
2. HTTP Method – attached to each endpoint represents the type of action performed on a given resource. The API uses standard HTTP verbs as actions, namely GET, POST, PUT, and DELETE, where applicable.
3. **Headers** – represent the extra information about a request. Some headers are optional while others must be added.
4. **Media Types** – represent the format of the data an API request must consume. This API utilizes the standard media type **"application/json"** for data handling.
5. **Authentication** – after the initialization of a device, a security communication key is generated and stored on the Smart Invoice API server. This key, acting as a unique identifier for each initialized device, is then used to authenticate API requests upon invocation.
6. **Attributes** – all required/optional information for a request will be included in the request body as parameters, such as TPIN and device branch code. Specific details of each parameter are provided in the section for each API request.

This section demonstrates how to make an API request:

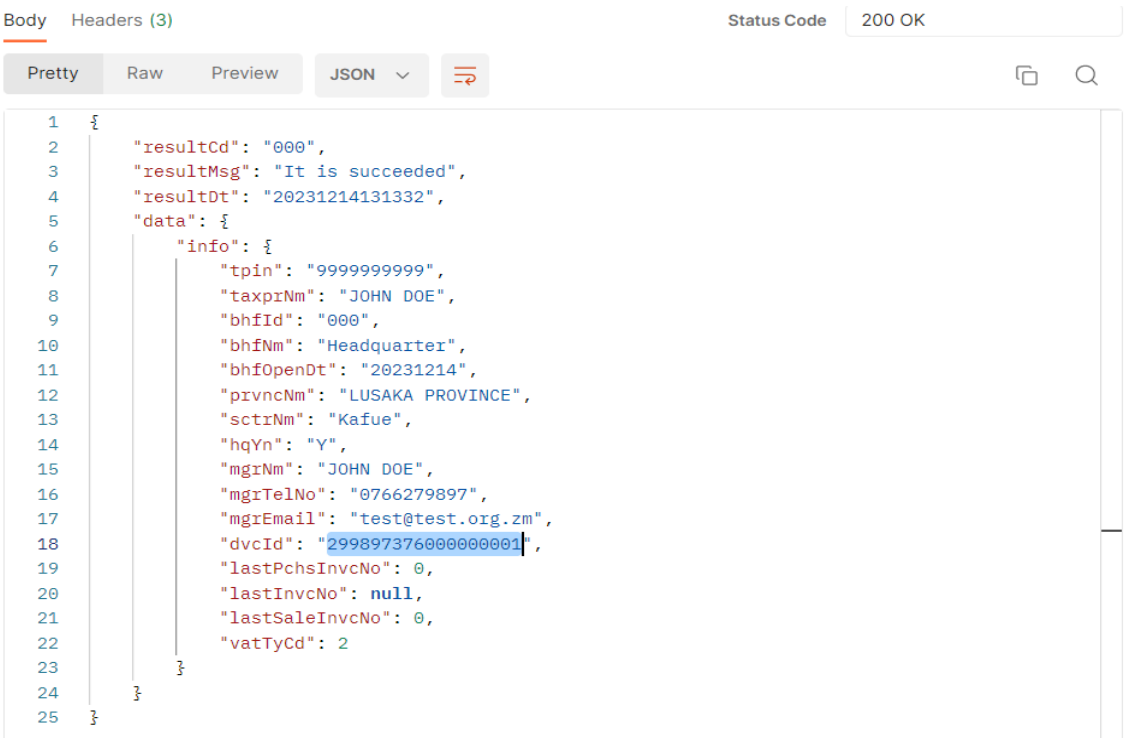
1. VSDC Setup
    a. Install the VSDC WAR file, which is acquired after completing the registration process, onto your local server and proceed to run the application.
2. Initiate a request
    a. Select an endpoint and specify the HTTP method to indicate the desired operation. For instance, the ***'device initialization'*** endpoint uses the HTTP method **POST** and the path ***'initializer/selectInitInfo'***.
    b. Ensure to identify any necessary parameters to be included in the request header, request body, or as part of the path.
    c. Following the request, the API will provide response status codes, response headers, and a response body.

2.6.1. Sample Request Illustration using Postman API Client

Request



Response



3. VSDC Service Operations

3.1. Device Initialization

Endpoints

Path	Operation
/initializer/selectInitInfo	Fetch the initial setup details for VSDC devices including taxpayer details.

Device Initialization [Mandatory]

Request - POST /initializer/selectInitInfo

Object				Attribute				
Object ID	Object Name	Sub Object_1		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name					
InitInfoReq	Device Initialization Request			tpin	TPIN	CHAR	Y	10
				bhfId	Branch ID	CHAR	Y	3
				dvcSrlNo	Device Serial Number	CHAR	Y	100
JSON REQUEST SAMPLE								
{"tpin":"9999911300","bhfId":"000","dvcSrlNo":"dvcv1130"}								

Response

Object				Attribute				
Object ID	Object Name	Sub Object_1		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name					
InitInfoRes	Device Initialization Response			resultCd	Result Code	CHAR		3
				resultMsg	Result Message	CHAR		
				resultDt	Result Date	CHAR		14
		InitTaxpayer	Taxpayer information	tpin	TPIN	CHAR		10
				taxprNm	Taxpayer Name	CHAR		60
				bsnsActv	Business Activity	CHAR		100

		InitBranch	Branch information	bhfId	Branch Office Id	CHAR		3
				bhfNm	Branch Office Name	CHAR		60
				bhfOpenDt	Branch Date Created	CHAR		8
				prvncNm	Province Name	CHAR		100
				dstrtNm	District Name	CHAR		100
				sctrNm	Sector Name	CHAR		100
				locDesc	Location Description	CHAR		100
				hqYn	Head Quarter	CHAR		1
				mgrNm	Manager Name	CHAR		60
				mgrTelNo	Manager Contract Number	CHAR		20
				mgrEmail	Manage Email	CHAR		50
		InitDevice	Device information	dvcId	Device id	CHAR		20
				sdicId	SDC id	CHAR		12
				mrcNo	MRC No	CHAR		11
				intrlKey	INTERNAL KEY	CHAR		255
				signKey	SIGN KEY	CHAR		255
				cmcKey	Communication KEY	CHAR		255
				lastSaleInvcNo	Last Sale Invoice Number	NUMBER		38
				lastPchsInvcNo	Last Purchase Invoice Number	NUMBER		38
				lastSaleRcptNo	Last Sale Receipt Number	NUMBER		38
				lastInvcNo	Last CIS invoice number	NUMBER		38
				lastTrainInvcNo	Last Training Invoice Number	NUMBER		38
				lastProfrmInvcNo	Last Proforma Invoice Number	NUMBER		38
				lastCopyInvcNo	Last Copy Invoice Number	NUMBER		38
JSON RESPONSE SAMPLE								

{"resultCd": "000", "resultMsg": "It is succeeded", "resultDt": "20220130101912", "data": {"info": {"tpin": "9999000099", "taxprNm": "TEST VSDC", "bsnsActv": "TESTING", "bhfId": "000", "bhfNm": "Headquarter", "bhfOpenDt": "20210214", "prvncNm": "KIGALI CITY", "dstrtNm": "GASABO", "sctrNm": "JALI", "locDesc": "KN 5 St.", "hqYn": "Y", "mgrNm": "Minsoo", "mgrTelNo": "0780000000", "mgrEmail": "test@gaoin.kr", "sdcId": null, "mrcNo": null, "dvcId": "9990000997006310", "intrlKey": null, "signKey": null, "cmcKey": null, "lastPchsInvcNo": 0, "lastSaleRcptNo": 0, "lastInvcNo": null, "lastSaleInvcNo": 0, "lastTrainInvcNo": null, "lastProfrmInvcNo": null, "lastCopyInvcNo": null}}}

3.2. Code Data

Endpoints

Path	Operation
/code/selectCodes	Get standard codes (e.g. units of measurement)
/itemClass/selectItemsClass	Get item classification codes
/notices/selectNotices	Get notices list

Standard Codes and Meta Data [Mandatory]

Request – POST /code/selectCodes

Object						Attribute				
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name	Object ID	Object Name					
CodeReq	Search code Request	-	-	-	-	tpin	TPIN	CHAR	Y	10
		-	-	-	-	bhfId	Branch ID	CHAR	Y	3
		-	-	-	-	lastReqDt	Last Request Date	CHAR	Y	14
JSON REQUEST SAMPLE										
{"tpin":"9999911300","bhfId":"000","lastReqDt":"20180520000000"}										

Response

Object						Attribute				
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name	Object ID	Object Name					
CodeRes	Search code Response	-	-	-	-	resultCd	Result Code	CHAR		3
		-	-	-	-	resultMsg	Result Message	CHAR		
		-	-	-	-	resultDt	Result Date	CHAR		14
		CodeCls <List>	Code classification information	-	-	cdCls	Code Class	CHAR		2
						cdClsNm	Code Class Name	CHAR		60
						cdClsDesc	Code Class Description	CHAR		500
						userDfnNm1	User Define Name 1	CHAR		60
						userDfnNm2	User Define Name 2	CHAR		60
						userDfnNm3	User Define Name 3	CHAR		60
						useYn	Use Yes or No	CHAR		1
				Code	Code Details	cd	Code	CHAR		5
				<List>	information	cdNm	Code Name	CHAR		60
						cdDesc	Code Description	CHAR		500
						srtOrd	Sort Order	NUMBER		5
						userDfnCd1	User Define Code 1	CHAR		20
						userDfnCd2	User Define Code 2	CHAR		20
						userDfnCd3	User Define Code 3	CHAR		20
						useYn	Use Yes or No	CHAR		1

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":”20231120143506","data":{"clsList":[{"cdCls":"04","cdClsNm":"Tax Type","cdClsDesc":null,"useYn":"Y","userDfnNm1":"Tax Rate","userDfnNm2":null,"userDfnNm3":null,"dtlList":[{"cd":"A","cdNm":"A-EX","cdDesc":"...","useYn":"Y","srtOrd":1,"userDfnCd1":"0","userDfnCd2":null,"userDfnCd3":null},{"cd":"B","cdNm":"B-18.00%","cdDesc":"B-18.00%","useYn":"Y","srtOrd":2,"userDfnCd1":"18","userDfnCd2":null,"userDfnCd3":null},{"cd":"C","cdNm":"C","cdDesc":"C","useYn":"Y","srtOrd":3,"userDfnCd1":"0","userDfnCd2":null,"userDfnCd3":null},{"cd":"D","cdNm":"D","cdDesc":"D","useYn":"Y","srtOrd":4,"userDfnCd1":"0","userDfnCd2":null,"userDfnCd3":null}]}]}}

※ ‘resuldCd’ is response code. The resultCd 000 means ‘It is succeeded’. For more information, refer to ‘4.14. API Response Code’.

Item Classification Codes [Mandatory]

Request – POST /itemClass/selectItemsClass

Object				Attribute					
Object ID	Object Name	Sub Object_1		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name						
ItemClsReq	Search Classification Request			tpin	TPIN	CHAR	Y	10	
				bhfId	Branch ID	CHAR	Y	3	
				lastReqDt	Last Request Date	CHAR	Y	14	ex)20190412092700
JSON REQUEST SAMPLE									
{"tpin":"1234567890","bhfId":"000","lastReqDt":"20180523000000"}									

Response

Object				Attribute					
Object ID	Object Name	Sub Object_1		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name						
ItemClsRes	Search Classification Response			resultCd	Result Code	CHAR		3	
				resultMsg	Result Message	CHAR			
				resultDt	Result Date	CHAR		14	
		ItemCls <List>	Item classification information	itemClsCd	Item Class Code	CHAR		10	
				itemClsNm	Item Class Name	CHAR		200	
				itemClsLvl	Item Class Level	NUMBER			
				taxTyCd	Taxation Type Code	CHAR		5	See ‘4.1 Tax Type’
				mjrTgYn	Whether it is Major Taget	CHAR		1	
				useYn	Used / UnUsed	CHAR		1	

JSON RESPONSE SAMPLE
{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120185625", "data":{"itemClsList":[{"itemClsCd":"14111400","itemClsNm":"Paper products","itemClsLvl":3,"taxTyCd":null,"mjrTgYn":null,"useYn":"Y"},{"itemClsCd":"14111401","itemClsNm":"Paper products Commodity","itemClsLvl":4,"taxTyCd":null,"mjrTgYn":null,"useYn":"Y"},{"itemClsCd":"3133130600","itemClsNm":"Non metallic sonic welded structural assemblies","itemClsLvl":5,"taxTyCd":"B","mjrTgYn":"N","useYn":"Y"}]}}

Notice List [Optional]

Request – POST /notices/selectNotices

Object				Attribute				
Object ID	Object Name	Sub Object_1		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name					
NoticeReq	Search Notice Request			tpin	Taxpayer identification Number	CHAR	Y	10
				bhfId	Branch user ID	CHAR	Y	3
				lastReqDt	Last Request date time	CHAR	Y	14

JSON REQUEST SAMPLE
{"tpin":"1234567890","bhfId":"000","lastReqDt":"20231120191141"}

Response

Object				Attribute				
Object ID	Object Name	Sub Object_1		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name					
NoticeRes	Search Notice Response			resultCd	Result Code	CHAR		3
				resultMsg	Result Message	CHAR		
				resultDt	Result Date time	CHAR		14
		notice <List>	Search Information	noticeNo	Notice Number	NUMBER		
				title	Title	CHAR		1000
				cont	Contents	CHAR		4000
				dtlUrl	detail URL	CHAR		200
				regrNm	Registration name	CHAR		60

				regDt	Registration date time	CHAR		14

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120191722","data":{"noticeList":[{"noticeNo":42,"title":"Notice Test [2023.11.20]","cont":"Notice Test [2023.11.20]\r\n\r\nNotice Test [2023.11.20]","dtlUrl":"http://localhost:8080/common/link/smartinvoice/receipt/indexSmartInvoiceNotice?noticeNo=42","regrNm":"Administrator","regDt":"20231120191141"}]}}

3.3. Branch Information

Endpoints

Path	Operation
/customers/selectCustomer	Get customers
/branches/selectBranches	Get branches
/branches/saveBrancheCustomers	Add customers to branch
/branches/saveBrancheUsers	Create user accounts in branch

Get Customers [Mandatory]

Request – POST /customers/selectCustomer

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
CustReq	Search Customer Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						custmTin	Customer Tin	CHAR	Y	9	

JSON REQUEST SAMPLE

{"tpin":"9999911300","bhfId":"000", "custmTin":"100600570"}

Response

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
CustRes	Search Customer Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	
		Cust	Taxpayer information			tpin	Taxpayer TPIN	CHAR		10	
						taxprNm	Taxpayer Name	CHAR		60	
						taxprSttsCd	Taxpayer Status Code	CHAR		5	See '4.2. Taxpayer Status'
						prvncNm	Province Name	CHAR		100	
						dstrtNm	District Name	CHAR		100	
						sctrNm	Sector Name	CHAR		100	
						resultCd	Telephone Number	CHAR		3	

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120192053","data":{"custList":[{"tpin":"9841562115","taxprNm":"TAXPAYER1","taxprSttsCd":"A","prvncNm":"LUSAKA CITY","dstrtNm":"LUSAKA","sctrNm":"KAFUE","locDesc":"Chilanga"},{"tpin":"4518483611","taxprNm":"TAXPAYER2","taxprSttsCd":"A","prvncNm":" LUSAKA CITY","dstrtNm":" LUSAKA ","sctrNm":"KAFUE","locDesc":"123-233"}]}}

Get Branches [Mandatory]

Request – POST /branches/selectBranches

Object						Attribute				
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name	Object ID	Object Name					
BhfReq	Search					tpin	TPIN	CHAR	Y	10

	Branch Request					bhfId	Branch ID	CHAR	Y	3
						lastReqDt	Last Request Date	CHAR	Y	14

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","lastReqDt":"20191130000000"}

Response

Object						Attribute				
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name	Object ID	Object Name					
BhfRes	Search Branch Response					resultCd	Result Code	CHAR		3
						resultMsg	Result Message	CHAR		
						resultDt	Result Date	CHAR		14
		Bhf <List>	Branch Information			tpin	TPIN	CHAR		10
						bhfId	Branch Office ID	CHAR		3
						bhfNm	Branch Office Name	CHAR		60
						bhfSttsCd	Branch Status Code	CHAR		5
						prvncNm	Province Name	CHAR		100
						dstrtNm	District Name	CHAR		100
						sctrNm	Sector Name	CHAR		100
						locDesc	Location Description	CHAR		100
						mgrNm	Manager Name	CHAR		60
						mgrTelNo	Manager Contact	CHAR		20
						mgrEmail	Manager Email	CHAR		100
						hqYn	Head Office Yes/No	CHAR		1

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120193023","data":{"bhfList":[{"tpin":"9999911300","bhfId":"000","bhfNm":"Headquater","bhfSttsCd":"01","prvncNm":"Lusaka CITY","dstrtNm":"Kafue","sctrNm":"Chilanga","locDesc":null,"mgrNm":"manage1130_00","mgrTelNo":"0789001130","mgrEmail":"manage113000@test.com","hqYn":"Y"},{"tpin":"9999911300","bhfId":"001","bhfNm":"Branch01","bhfSttsCd":"01","prvncNm":"Lusaka CITY","dstrtNm":"Kafue","sctrNm":"Chilanga","locDesc":null,"mgrNm":"manage1130_01","mgrTelNo":"0789011130","mgrEmail":"manage113001@test.com","hqYn":"N"}]}}

Add Customer to Branch [Optional]

Request – POST /branches/saveBrancheCustomers

Object						Attribute				
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**
		Object ID	**Object Name**	**Object ID**	**Object Name**					
BhfCustSaveReq	Store branch customers Request					tpin	TPIN	CHAR	Y	10
						bhfId	Branch ID	CHAR	Y	3
						custNo	Customer Number	CHAR	Y	9
						custTpin	Customer TPIN	CHAR	Y	10
						custNm	Customer Name	CHAR	Y	60
						adrs	Address	CHAR	N	300
						telNo	Contact	CHAR	N	20
						email	Email	CHAR	N	50
						faxNo	Fax Number	CHAR	N	20
						useYn	Used (Y/N)	CHAR	Y	1
						remark	Remark	CHAR	N	1000
						regrNm	Registrant Name	CHAR	Y	60
						regrId	Registrant ID	CHAR	Y	20
						modrNm	Modifier Name	CHAR	Y	60
						modrId	Modifier ID	CHAR	Y	20

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","custNo":"999991113","custTpin":"1234567890","custNm":"ZRA","adrs":null,"telNo":null,"email":null,"faxNo":null,"useYn":"Y","remark":null,"regrNm":"Admin","regrId":"Admin","modrNm":"Admin","modrId":"Admin"}

Response

Object						Attribute				
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name	Object ID	Object Name					
BhfCustSaveRes	Store branch customers Response					resultCd	Result Code	CHAR		3
						resultMsg	Result Message	CHAR		
						resultDt	Result Date	CHAR		14
JSON RESPONSE SAMPLE										
{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120193115","data": null}										

Create Branch User Accounts [Optional]

Request – POST /branches/saveBrancheUsers

Object						Attribute				
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length
		Object ID	Object Name	Object ID	Object Name					
BhfUserSaveReq	Save Branch User Request					tpin	TPIN	CHAR	Y	10
						bhfId	Branch ID	CHAR	Y	3
						userId	User ID	CHAR	Y	20
						userNm	User Name	CHAR	Y	60
						pwd	Password	CHAR	Y	255
						adrs	Address	CHAR	N	200
						cntc	Contact	CHAR	N	20
						authCd	Authority Code	CHAR	N	100
						remark	Remark	CHAR	N	2000
						useYn	Used / UnUsed	CHAR	Y	1
						regrNm	Registrant Name	CHAR	Y	60
						regrId	Registrant ID	CHAR	Y	20
						modrNm	Modifier Name	CHAR	Y	60

						modrId	Modifier ID	CHAR	Y	20

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","userId":"userId3","userNm":"UserName3","adrs":null,"cntc":null,"authCd":null,"remark":null,"useYn":"Y","regrNm":"Admin","regrId":"Admin","modrNm":"Admin","modrId":"Admin"}

Response

Object						**Attribute**				
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**
		Object ID	**Object Name**	**Object ID**	**Object Name**					
BhfUserSaveRes	Save Branch User Response					resultCd	Result Code	CHAR		3
						resultMsg	Result Message	CHAR		
						resultDt	Result Date	CHAR		14

JSON SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120192427","data":null}

3.4. Item Information

Endpoints

Path	Operation
/items/selectItems	Get items
/items/saveItems	Add items

Add Items [Mandatory]

Request – POST /items/saveItems

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
ItemSaveReq	Save Item Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						itemClsCd	Item Code	CHAR	Y	10	
						itemCd	Item Classification Code	CHAR	Y	20	See '4.17. Item code'
						itemTyCd	item Type Code	CHAR	Y	5	See '4.3. Product type'
						itemNm	item Name	CHAR	Y	200	
						itemStdNm	Item Standard Name	CHAR	N	200	
						orgnNatCd	Origin Place Code (Nation)	CHAR	Y	5	See '4.4. Nation'
						pkgUnitCd	Packaging Unit Code	CHAR	Y	5	See '4.5. Packaging Unit'
						qtyUnitCd	Quantity Unit Code	CHAR	Y	5	See '4.6. Unit of Quantity'

						taxTyCd	Taxation Type Code	CHAR	Y	5	See '4.1. Tax Type'
						btchNo	Batch Number	CHAR	N	10	
						bcd	Barcode	CHAR	N	20	
						dftPrc	Default Unit Price	NUMBER	Y	18,2	
						grpPrcL1	Group1 Unit Price	NUMBER	N	18,2	
						grpPrcL2	Group2 Unit Price	NUMBER	N	18,2	
						grpPrcL3	Group3 Unit Price	NUMBER	N	18,2	
						grpPrcL4	Group4 Unit Price	NUMBER	N	18,2	
						grpPrcL5	Group5 Unit Price	NUMBER	N	18,2	
						addInfo	Additional Information	CHAR	N	7	
						sftyQty	Safty Quantity	NUMBER	N	13,2	
						isrcAplcbYn	Insurance Appicable(Y/N)	CHAR	Y	1	
						useYn	Used / UnUsed	CHAR	Y	1	
						regrNm	Registrant Name	CHAR	Y	60	
						regrId	Registrant ID	CHAR	Y	20	
						modrNm	Modifier Name	CHAR	Y	60	
						modrId	Modifier ID	CHAR	Y	20	

JSON REQUEST SAMPLE

{"tpin": "1234567890","bhfId": "000","itemCd": "ZM1NTXU0000002","itemClsCd": "5059690800","itemTyCd": "1","itemNm": "Natural Water","itemStdNm": null,"orgnNatCd": "ZM","pkgUnitCd": "NT","qtyUnitCd": "U","vatCatCd": "A","iplCatCd": null,"tlCatCd": null,"exciseCatCd": null,"btchNo": null,"bcd": null,"dftPrc": 3500,"addInfo": null,"sftyQty": null,"isrcAplcbYn": "N","useYn": "Y","regrNm": "Admin","regrId": "Admin","modrNm": "Admin","modrId": "Admin"}

Response

Object						**Attribute**					
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**
		Object ID	**Object Name**	**Object ID**	**Object Name**						
ItemSaveRes	Save					resultCd	Result Code	CHAR		3	

	Item Response					resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120193918","data":null}

Get items [Mandatory]

Request – POST /items/selectItems

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
ItemReq	Search Item Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						lastReqDt	Last Request Date	CHAR	Y	14	

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","lastReqDt":"20160523000000"}

※ bhfId is branch ID. ‘000’ means head office.

Response

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
ItemRes	Search Item Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	

		Item <List>	Item information			tpin	TPIN	CHAR		10	
						itemClsCd	Item Classification Code	CHAR		10	
						itemCd	Item Code	CHAR		20	
						itemTyCd	item Type Code	CHAR		5	See '4.3. Product type'
						itemNm	item Name	CHAR		200	
						itemStdNm	Item Standard Name	CHAR		200	
						orgnNatCd	Origin Place Code (Nation)	CHAR		5	See '4.4. Nation'
						pkgUnitCd	Packaging Unit Code	CHAR		5	See '4.5. Packaging Unit'
						qtyUnitCd	Quantity Unit Code	CHAR		5	See '4.6. Unit of Quantity'
						taxTyCd	Taxation Type Code	CHAR		5	See '4.1. Tax Type'
						btchNo	Batch Number	CHAR		10	
						regBhfId	Regist Branch Office ID	CHAR		3	
						bcd	Barcode	CHAR		20	
						dftPrc	Default Unit Price	NUMBER		18,2	
						grpPrcL1	Group1 Unit Price	NUMBER		18,2	
						grpPrcL2	Group2 Unit Price	NUMBER		18,2	
						grpPrcL3	Group3 Unit Price	NUMBER		18,2	
						grpPrcL4	Group4 Unit Price	NUMBER		18,2	
						grpPrcL5	Group5 Unit Price	NUMBER		18,2	
						addInfo	Add Information	CHAR		7	
						sftyQty	Safty Quantity	NUMBER		13,2	
						isrcAplcbYn	Insurance Appicable Y/N	CHAR		1	

						ZRAModYn	ZRA Modify Y/N (Item Classification Code)	CHAR		1	
						useYn	Used / UnUsed	CHAR		1	

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120193501","data":{"itemList":[{"tpin":"1234567890","itemCd":"KR2AMXBLL0000001","itemClsCd":"1110160600","itemTyCd":"2","itemNm":"restitem#1","itemStdNm":null,"orgnNatCd":"KR","pkgUnitCd":"AM","qtyUnitCd":"BLL","vatCatCd":"A","vatCatCd":"A","iplCatCd":null,"tlCatCd":null,"exciseCatCd":null, null, "btchNo":null,"regBhfId":"000","bcd":"8801234567061","dftPrc":21000,"addInfo":null,"sftyQty":0,"isrcAplcbYn":"N","ZRAModYn":"N","useYn":"Y"},{"tpin":"1234567890","itemCd":"KR2AMXBLL0000001", "itemClsCd":"1110160600","itemTyCd":"2","itemNm":"restitem#1","itemStdNm":null,"orgnNatCd":"KR","pkgUnitCd":"AM","qtyUnitCd":"BLL","vatCatCd":"A","vatCatCd": "A","iplCatCd": null,"tlCatCd": null,"exciseCatCd": null, "btchNo":null,"regBhfId":"000","bcd":"8801234567061","dftPrc":21000,"addInfo":null,"sftyQty":0,"isrcAplcbYn":"N","ZRAModYn":"N","useYn":"Y"}]}}

3.5. Import Information

Endpoints

Path	Operation
/imports/selectImportItems	Get imported items
/imports/updateImportItems	Update imported items information

Get Import Items [Mandatory]

Request – POST /imports/selectImportItems

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
ImptItemReq	Search Import Item Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	

						lastReqDt	Last Request Date	CHAR	Y	14	

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","lastReqDt":"20190524000000"}

Response

Object						**Attribute**					
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**
		Object ID	**Object Name**	**Object ID**	**Object Name**						
ImptItemRes	Search Import Item Response					resultCd	Result Code	CHAR		3	
	Response					resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	
		ImportItem <List>	Item information			taskCd	Task Code	CHAR		50	
		<List>				dclDe	Declaration Date	CHAR		8	
						itemSeq	Item Sequence	NUMBER		10	
						dclNo	Declaration Number	CHAR		50	
						hsCd	HS Code	CHAR		17	
						itemNm	Item Name	CHAR		500	
						orgnNatCd	Import Item Status Code	CHAR		5	See ‘4.4. Nation’
						exptNatCd	Origin Nation Code	CHAR		5	
						pkg	Export Nation Code	NUMBER		13,2	
						pkgUnitCd	Package	CHAR		5	See ‘4.5. Packaging Unit’
						qty	Packaging Unit Code	NUMBER		13,2	

						qtyUnitCd	Quantity	CHAR		5	See ‘4.6. Unit of Quantity’
						totWt	Quantity Unit Code	NUMBER		13,2	
						netWt	Gross Weight	NUMBER		13,2	
						spplrNm	Net Weight	CHAR		500	
						agntNm	Supplier's name	CHAR		500	
						invcFcurAmt	Agent name	NUMBER		18,2	See ‘4.1. Tax Type’
						invcFcurCd	Invoice Foreign Currency Amount	CHAR		5	See ‘4.7. Currency’
						invcFcurExcrt	Invoice Foreign Currency	NUMBER		18,2	

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120194118","data":{"itemList":[{"taskCd":"2239078","dclDe":"-1","itemSeq":1,"dclNo":"C3460-2019-TZDL","hsCd":"20055900000","itemNm":"BAKED BEANS","imptItemsttsCd":"2","orgnNatCd":"BR","exptNatCd":"BR","pkg":2922,"pkgUnitCd":null,"qty":19946,"qtyUnitCd":"KGM","totWt":19945.57,"netWt":19945.57,"spplrNm":"ODERICH CONSERVA QUALIDADE\nBRASIL","agntNm":"BN METRO Ltd","invcFcurAmt":296865.6,"invcFcurCd":"USD","invcFcurExcrt":929.79}]}}

Update Import Items [Mandatory]

Request – POST /imports/updateImportItems

Object						**Attribute**					
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**
		Object ID	**Object Name**	**Object ID**	**Object Name**						
ImptItemSaveReq	Update Item Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						taskCd	Task Code	CHAR	Y	50	
						dclDe	Declaration Date	CHAR	Y	8	
						itemSeq	Item Sequence	NUMBER	Y	10	
						hsCd	HS Code	CHAR	Y	17	
						itemClCd	Item Classification	CHAR	Y	10	

							Code				
						itemCd	Item Code	CHAR	Y	20	
						imptItemsttsCd	Import Item Status Code	CHAR	Y	5	See '4.18. Import Item status'
						remark	Remark	CHAR	N	400	
						modrNm	Modifier Name		Y	60	
						modrId	Modifier ID		Y	20	

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","taskCd":"2231943","dclDe":"20191217","itemSeq":1,"hsCd":"1231531231","itemClsCd":"5022110801","itemCd":"RW1NTXU0000001","imptItemSttsCd":"1","remark":"remark","modrNm":"Admin","modrId":"Admin" }

Response

Object						**Attribute**					
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**
		Object ID	**Object Name**	**Object ID**	**Object Name**						
ImptItemSaveRes	Update Item Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120194253","data":null}

3.6. Sales Information

Endpoints

Path	Operation
/trnsSales/saveSales	Add a sale transaction

Add a sale transaction [Mandatory]

Request – POST /trnsSales/saveSales

Object						Attribute					
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**
		Object ID	**Object Name**	**Object ID**	**Object Name**						
TrnsSalesSaveWrReq	Save Sales Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						invcNo	Invoice Number	NUMBER	Y	38	
						orgInvcNo	Original Invoice Number	NUMBER	Y	38	
						custTpin	Customer TPIN	CHAR	N	10	
						prcOrdCd	Purchase code	CHAR	Y*	6	For Business customers the purchase code is mandatory, f or individuals it is optional
						custNm	Customer Name	CHAR	N	60	
						salesTyCd	Sales Type Code	CHAR	Y	5	See ‘4.8. Transaction Type’ Send only ‘N’ type
						rcptTyCd	Receipt Type Code	CHAR	Y	5	See ‘4.9. Sale Receipt Type’
						pmtTyCd	Payment Type Code	CHAR	N	5	See ‘4.10. Payment Method’
						salesSttsCd	Invoice Status Code	CHAR	Y	5	See ‘4.11. Transaction Progress‘

						cfmDt	Validated Date	CHAR	Y	14	yyyyMMddhhmmss
						salesDt	Sale Date	CHAR	Y	8	yyyyMMdd
						stockRlsDt	Stock Released Date	CHAR	N	14	yyyyMMddhhmmss
						cnclReqDt	Cancel Reqeuested Date	CHAR	N	14	yyyyMMddhhmmss
						cnclDt	Canceled Date	CHAR	N	14	yyyyMMddhhmmss
						rfdDt	Refunded Date	CHAR	N	14	yyyyMMddhhmmss
						rfdRsnCd	Refunded Reason Code	CHAR	N	5	See ‘4.15. Transaction Progress‘
						totItemCnt	Total Item Count	NUMBER	Y	10	
						taxblAmtA	Taxable Amount A	NUMBER	Y	18,2	
						taxblAmtB	Taxable Amount B	NUMBER	Y	18,2	
						taxblAmtC	Taxable Amount C	NUMBER	Y	18,2	
						taxblAmtD	Taxable Amount D	NUMBER	Y	18,2	
						taxRtA	Tax Rate A	NUMBER	Y	7,2	
						taxRtB	Tax Rate B	NUMBER	Y	7,2	
						taxRtC	Tax Rate C	NUMBER	Y	7,2	
						taxRtD	Tax Rate D	NUMBER	Y	7,2	
						taxAmtA	Tax Amt A	NUMBER	Y	18,2	
						taxAmtB	Tax Amt B	NUMBER	Y	18,2	
						taxAmtC	Tax Amt C	NUMBER	Y	18,2	
						taxAmtD	Tax Amt D	NUMBER	Y	18,2	
						totTaxblAmt	Total Taxable Amount	NUMBER	Y	18,2	
						totTaxAmt	Total Tax Amount	NUMBER	Y	18,2	
						totAmt	Total Amount	NUMBER	Y	18,2	
						prchrAcptcYn	Purchase Accept Y/N	CHAR	Y	1	
						remark	Remark	CHAR	N	400	

						regrNm	Registrant Name	CHAR	Y	60	
						regrId	Registrant ID	CHAR	Y	20	
						modrNm	Modifier Name	CHAR	Y	60	
						modrId	Modifier ID	CHAR	Y	20	
						custTIn	Customer TPIN	CHAR	N	10	
						custMblNo	Customer Mobile Number	CHAR	N	20	
						rptNo	Report Number	NUMBER	Y	38	
						trdeNm	Trade Name	CHAR	N	20	
						adrs	Address	CHAR	N	200	
						topMsg	Top Message	CHAR	N	20	
						btmMsg	Bottom Message	CHAR	N	20	
						prchrAcptcYn	Whether buyers receive item or not.	CHAR	Y	1	
		List<TrnsSalesSaveWrItem>	Sales items information			itemSeq	Item Sequence Number	NUMBER	Y	3	
						itemClsCd	Item Code	CHAR	N	10	
						itemCd	Item Classification Code	CHAR	Y	20	
						itemNm	Item Name	CHAR	Y	200	
						bcd	Barcode	CHAR	N	20	
						pkgUnitCd	Packaging Unit Code	CHAR	Y	5	See ‘4.5. Packaging Unit’
						pkg	Package	NUMBER	Y	13,2	
						qtyUnitCd	Quantity Unit Code	CHAR	Y	5	See ‘4.6. Unit of Quantity’
						qty	Quantity	NUMBER	Y	13,2	
						prc	Unit Price	NUMBER	Y	18,2	
						splyAmt	Supply Amount	NUMBER	Y	18,2	
						dcRt	Discount Rate	NUMBER	Y	5,2	

						dcAmt	Discount Amount	NUMBER	Y	18,2	
						isrccCd	Insurance Company Code	CHAR	N	10	
						isrccNm	Insurance Company Name	CHAR	N	100	
						isrcRt	Insurance Rate	NUMBER	N	3	
						isrcAmt	Insurance Amount	NUMBER	N	18,2	
						taxTyCd	Taxation Type Code	CHAR	Y	5	See '4.1. Tax Type'
						taxblAmt	Taxable Amount	NUMBER	Y	18,2	
						totTaxAmt	Tax Amount	NUMBER	Y	18,2	
						totAmt	Total Amount	NUMBER	Y	18,2	

JSON REQUEST SAMPLE

{"tpin": "1234567890", "bhfId": "000", "invcNo": 3, "orgInvcNo": 0, "custTpin": "1234567890", "custNm": "RRA", "salesTyCd": "N", "rcptTyCd": "S", "pmtTyCd": "01", "salesSttsCd": null, "cfmDt": "20230904120300", "salesDt": "20230904", "stockRlsDt": "20230904120300", "cnclReqDt": null, "cnclDt": null, "rfdDt": null, "rfdRsnCd": null, "totItemCnt": 2, "taxblAmtA": 0, "taxblAmtB": 250000, "taxblAmtC1": null, "taxblAmtC2": null, "taxblAmtC3": null, "taxblAmtD": null, "taxblAmtRvat": null, "taxblAmtE": null, "taxblAmtF": null, "taxblAmtIpl1": null, "taxblAmtIpl2": null, "taxblAmtTl": null, "taxblAmtEcm": null, "taxblAmtExeeg": null, "taxblAmtTot": null, "taxRtA": 0, "taxRtB": 18, "taxRtC1": null, "taxRtC2": null, "taxRtC3": null, "taxRtD": null, "taxRtE": null, "taxRtF": null, "taxRtIpl1": null, "taxRtIpl2": null, "taxRtTl": null, "taxRtEcm": null, "taxRtExeeg": null, "taxRtTot": null, "taxAmtA": 0, "taxAmtB": 94576, "taxAmtC1": null, "taxAmtC2": null, "taxAmtC3": null, "taxAmtD": null, "taxAmtE": null, "taxAmtF": null, "taxAmtIpl1": null, "taxAmtIpl2": null, "taxAmtTl": null, "taxAmtEcm": null, "taxAmtExeeg": null, "taxAmtTot": null, "totTaxblAmt": 250000, "totTaxAmt": 38135, "totAmt": 250000, "prchrAcptcYn": "N", "remark": null, "regrId": "11999", "regrNm": "Test VSDC", "modrId": "45678", "modrNm": "TestVSDC", "itemList": [{ "itemSeq": 1, "itemCd": "RW1NTXU0000001", "itemClsCd": "5059690800", "itemNm": "OutDoorUnit", "bcd": null, "pkgUnitCd": "NT", "pkg": 1, "qtyUnitCd": "U", "qty": 1, "prc": 200000, "splyAmt": 200000, "dcRt": 0, "dcAmt": 0, "isrccCd": null, "isrccNm": null, "isrcRt": null, "isrcAmt": null, "vatCatCd": "A", "iplCatCd": "IPL1", "tlCatCd": "TL", "exciseCatCd": "EXEEG", "taxblAmt": 200000, "vatAmt": 30508, "iplAmt": 30508, "tlAmt": 30508, "exciseAmt": 30508, "totAmt": 20000},{ "itemSeq": 2, "itemCd": "ZM1NTXU0000002", "itemClsCd": "5059690800", "itemNm": "OutDoorUnit", "bcd": null, "pkgUnitCd": "NT", "pkg": 1, "qtyUnitCd": "U", "qty": 1, "prc": 200000, "splyAmt": 200000, "dcRt": 0, "dcAmt": 0, "isrccCd": null, "isrccNm": null, "isrcRt": null, "isrcAmt": null, "vatCatCd": "A", "iplCatCd": "IPL1", "tlCatCd": "TL", "exciseCatCd": "EXEEG", "taxblAmt": 200000, "vatAmt": 30508, "iplAmt": 30508, "tlAmt": 30508, "exciseAmt": 30508, "totAmt": 200000 }]}

Response

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
TrnsSalesSaveWrRes	Save					resultCd	Result Code	CHAR		3	

	Sales Response					resultMsg	Result Message	CHAR			
						resultDt	Result DateTime	CHAR		14	
						data	Response data	OBJECT			

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120194328","data": { "rcptNo": 27, "intrlData": "GZGGIZLYTJSSD7YLYLGIIG6FCY", "rcptSign": "TQZMKL57AGBMSTPO", "totRcptNo": 32, "vsdcRcptPbctDate": "20211027162114", "sdcId": "SDC010000005" , "mrcNo": "WIS01006230"} }

3.7. Purchase Information

Endpoints

Path	Operation
/trnsPurchase/selectTrnsPurchaseSales	Get purchase
/trnsPurchase/savePurchases	Add purchase

Get Purchase [Mandatory]

Request – POST /trnsPurchase/selectTrnsPurchaseSales

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
TrnsPurchaseSalesReq	Search Purchase/Sales Request					tpin	TPIN	CHAR		10	
						bhfId	Branch ID	CHAR		3	
						lastReqDt	Last Request Date	CHAR		14	

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","lastReqDt":"20190524000000"}

Response

Object						Attribute					
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**
		Object ID	**Object Name**	**Object ID**	**Object Name**						
TrnsPurchaseSalesRes	Search Purchase/Sales Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	
		TrnsPurchaseSales <List>	Transaction purchase sales information			spplrTin	Supplier TPIN	CHAR		10	
						spplrNm	Supplier Name	CHAR		60	
						spplrBhfId	Supplier Branch ID	CHAR		3	
						spplrInvcNo	Supplier Invoice Number	NUMBER		38	
						prcOrdCd	Purchase code	CHAR	Y*	6	For Business customers the purchase code is mandatory, for individuals it is optional
						rcptTyCd	Receipt Type Code	CHAR		5	
						pmtTyCd	Payment Type Code	CHAR		5	
						cfmDt	Validated Date	CHAR		19	YYYY-MM-DD HH24:MI:SS
						salesDt	Sale Date	CHAR		8	YYYYMMDD
						stockRlsDt	Stock Released Date	CHAR		19	YYYY-MM-DD HH24:MI:SS
						totItemCnt	Total Item Count	NUMBER		10	

							taxblAmtA	Taxable Amount A	NUMBER		18,2	
							taxblAmtB	Taxable Amount B	NUMBER		18,2	
							taxblAmtC	Taxable Amount C	NUMBER		18,2	
							taxblAmtD	Taxable Amount D	NUMBER		18,2	
							taxRtA	Tax Rate A	NUMBER		7,2	
							taxRtB	Tax Rate B	NUMBER		7,2	
							taxRtC	Tax Rate C	NUMBER		7,2	
							taxRtD	Tax Rate D	NUMBER		7,2	
							taxAmtA	Tax Amt A	NUMBER		18,2	
							taxAmtB	Tax Amt B	NUMBER		18,2	
							taxAmtC	Tax Amt C	NUMBER		18,2	
							taxAmtD	Tax Amt D	NUMBER		18,2	
							totTaxblAmt	Total Taxable Amount	NUMBER		18,2	
							totTaxAmt	Total Tax Amount	NUMBER		18,2	
							totAmt	Total Amount	NUMBER		18,2	
							remark	Remark	CHAR		400	
				TrnsPurchaseSalesItem <List>	Transaction purchase sales item information		itemSeq	Item Sequence Number	NUMBER		3	
							itemClsCd	Item Classification Code	CHAR		10	
							itemCd	Item Code	CHAR		20	
							itemNm	Item Name	CHAR		200	

						bcd	Barcode	CHAR		20	
						pkgUnitCd	Packaging Unit Code	CHAR		5	See ‘4.5. Packaging Unit’
						pkg	Package	NUMBER		13,2	
						qtyUnitCd	Quantity Unit Code	CHAR		5	
						qty	Quantity	NUMBER		13,2	
						prc	Unit Price	NUMBER		18,2	
						splyAmt	Supply Amount	NUMBER		18,2	
						dcRt	Discount Rate	NUMBER		5,2	
						dcAmt	Discount Amount	NUMBER		18,2	
						taxTyCd	Taxation Type Code	NUMBER		5	
						taxblAmt	Taxable Amount	NUMBER		18,2	
						taxAmt	Tax Amount	NUMBER		18,2	
						totAmt	Total Amount	NUMBER		18,2	

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":”20231120195420","data":{"saleList":[{"spplrTin":"999991111","spplrNm":"Taxpayer1111","spplrBhfId":"000","spplrInvcNo":2,” prcOrdCd”:”123456”,"spplrSdcId":"SDC001000001","spplrMrcNo":"WIS01000101","rcptTyCd":"S","pmtTyCd":"01","cfmDt":”2023-11-20 21:03:00","salesDt":”20231120","stockRlsDt":”2023-11-20 21:03:00","totItemCnt":2,"taxblAmtA":0,"taxblAmtB":10500,"taxblAmtC":0,"taxblAmtD":0,"taxRtA":0,"taxRtB":18,"taxRtC":0,"taxRtD":0,"taxAmtA":0,"taxAmtB":1890,"taxAmtC":0,"taxAmtD":0,"totTaxblAmt ":10500,"totTaxAmt":1890,"totAmt":10500,"remark":null,"itemList":[{"itemSeq":1,"itemCd":"RW1NTXU0000001","itemClsCd":"5059690800","itemNm":"test item 1","bcd":null,"pkgUnitCd":"NT","pkg":2,"qtyUnitCd":"U","qty":2,"prc":3500,"splyAmt":7000,"dcRt":0,"dcAmt":0,"taxTyCd":"B","taxblAmt":7000,"taxAmt":1260,"totAmt":10500},{"itemSeq":2,"itemCd":"RW1 NTXU0000002","itemClsCd":"5022110801","itemNm":"test item 2","bcd":null,"pkgUnitCd":"NT","pkg":1,"qtyUnitCd":"U","qty":1,"prc":3500,"splyAmt":3500,"dcRt":0,"dcAmt":0,"taxTyCd":"B","taxblAmt":3500,"taxAmt":630,"totAmt":10500}]}]}}

Add purchase [Mandatory]

Request – POST /trnsPurchase/savePurchases

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
TrnsPurchaseSaveReq	Save Purchase Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						spplrTin	Supplier TPIN	CHAR	N	10	
						invcNo	Invoice Number	NUMBER	Y	38	
						orgInvcNo	Original Invoice Number	NUMBER	Y	38	
						spplrBhfId	Supplier Branch ID	CHAR	N	3	
						spplrNm	Supplier Name	CHAR	N	60	
						spplrInvcNo	Supplier Invoice Number	NUMBER	N	38	
						spplrSdcId	Supplier SDC ID (for EBM2.0)	CHAR	N	12	
						regTyCd	Registration Type Code	CHAR	Y	5	See '4.12. Transaction Progress'
						pchsTyCd	Purchase Type Code	CHAR	Y	5	See '4.8. Transaction Type'
						rcptTyCd	Receipt Type Code	CHAR	Y	5	See '4.13. Purchase Receipt Type'

						pmtTyCd	Payment Type Code	CHAR	Y	5	See ‘4.10. Payment Method’
						pchsSttsCd	Purchase Status Code	CHAR	Y	5	See ‘4.11. Transaction Progress’
						cfmDt	Validated Date	CHAR	N	14	yyyyMMddhhmmss
						pchsDt	Purchase Date	CHAR	Y	8	yyyyMMdd
						wrhsDt	Warehousing Date	CHAR	N	14	yyyyMMddhhmmss
						cnclReqDt	Cancel Reqeuested	CHAR	N	14	yyyyMMddhhmmss
						cnclDt	Canceled Date	CHAR	N	14	yyyyMMddhhmmss
						rfdDt	Refunded Date	CHAR	N	14	yyyyMMddhhmmss
						totItemCnt	Total Item Count	NUMBER	Y	10	
						taxblAmtA	Taxable Amount A	NUMBER	Y	18,2	
						taxblAmtB	Taxable Amount B	NUMBER	Y	18,2	
						taxblAmtC	Taxable Amount C	NUMBER	Y	18,2	
						taxblAmtD	Taxable Amount D	NUMBER	Y	18,2	
						taxRtA	Tax Rate A	NUMBER	Y	7,2	
						taxRtB	Tax Rate B	NUMBER	Y	7,2	
						taxRtC	Tax Rate C	NUMBER	Y	7,2	
						taxRtD	Tax Rate D	NUMBER	Y	7,2	

						taxAmtA	Tax Amt A	NUMBER	Y	18,2	
						taxAmtB	Tax Amt B	NUMBER	Y	18,2	
						taxAmtC	Tax Amt C	NUMBER	Y	18,2	
						taxAmtD	Tax Amt D	NUMBER	Y	18,2	
						totTaxblAm t	Total Taxable Amount	NUMBER	Y	18,2	
						totTaxAmt	Total Tax Amount	NUMBER	Y	18,2	
						totAmt	Total Amount	NUMBER	Y	18,2	
						remark	Remark	CHAR	N	400	
						regrNm	Registrant Name	CHAR	Y	60	
						regrId	Registrant ID	CHAR	Y	20	
						modrNm	Modifier Name	CHAR	Y	60	
						modrId	Modifier ID	CHAR	Y	20	
		TrnsPurchaseSaveItem <List>	Save transaction purchase item information			itemSeq	Item Sequence Number	NUMBER	Y	3	
		<List>	Items Information			itemCd	Item Code	CHAR	N	20	
						itemClsCd	Item Classification Code	CHAR	Y	10	
						itemNm	Item Name	CHAR	Y	200	
						bcd	Barcode	CHAR	N	20	
						spplrItemClsCd	Supplier Item Classification	CHAR	N	10	

							Code				
						spplrItemCd	Supplier Item Code	CHAR	N	20	
						spplrItemNm	Supplier Item Name	CHAR	N	200	
						pkgUnitCd	Packaging Unit Code	CHAR	N	5	See '4.5. Packaging Unit'
						pkg	Package	NUMBER	Y	13,2	
						qtyUnitCd	Quantity Unit Code	CHAR	Y	5	See '4.6. Unit of Quantity'
						qty	Quantity	NUMBER	Y	13,2	
						prc	Unit Price	NUMBER	Y	18,2	
						splyAmt	Supply Price	NUMBER	Y	18,2	
						dcRt	Discount Rate	NUMBER	Y	5,2	
						dcAmt	Discaount Amount	NUMBER	Y	18,2	
						taxblAmt	Taxable Amout	NUMBER	Y	18,2	
						taxTyCd	Taxation Type Code	NUMBER	Y	5	See '4.1. Tax Type'
						taxAmt	Tax Amount	NUMBER	Y	18,2	
						totAmt	Total Amount	NUMBER	Y	18,2	
						itemExprDt	Item Expired Date	CHAR	N	8	yyyyMMdd
JSON REQUEST SAMPLE											

{"tpin":"1234567890","bhfId":"000","invcNo":1,"orgInvcNo":0,"spplrTpin":null,"spplrBhfId":null,"spplrNm":null,"spplrInvcNo":null,"regTyCd":"M","pchsTyCd":"N","rcptTyCd":"P","pmtTyCd":"01","pchsSttsCd":"02","cfmDt":"20200127210300","pchsDt":"20200127","wrhsDt":"","cnclReqDt":"","cnclDt":"","rfdDt":"","totItemCnt":2,"taxblAmtA":0,"taxblAmtB":10500,"taxblAmtC":0,"taxblAmtD":0,"taxRtTot":0,"taxAmtTot":0,"taxAmt3":0,"taxRtA":0,"taxRtB":18,"taxRtC":0,"taxRtD":0,"taxRtC1":0,"taxRtC2":0,"taxRtC3":0,"taxAmtA":0,"taxAmtB":1890,"taxAmtC":0,"taxAmtD":0,"taxAmtC1":0,"taxAmtC2":0,"totTaxblAmt":10500,"totTaxAmt":1890,"totAmt":10500,"remark":null,"regrNm":"Admin","regrId":"Admin","modrNm":"Admin","modrId":"Admin","itemList":[{"itemSeq":1,"itemCd":"RW1NTXU0000006","itemClsCd":"5059690800","itemNm":"TEST item 1","bcd":"","spplrItemClsCd":null,"spplrItemCd":null,"spplrItemNm":null,"pkgUnitCd":"NT","pkg":2,"qtyUnitCd":"U","qty":2,"prc":3500,"splyAmt":7000,"dcRt":0,"dcAmt":0,"taxblAmt":7000,"taxTyCd":"B","taxAmt":1260,"totAmt":7000,"itemExprDt":null},{"itemSeq":2,"itemCd":"RW3NTXU0000001","itemClsCd":"5022110801","itemNm":"TEST item 2","bcd":"","spplrItemClsCd":null,"spplrItemCd":null,"spplrItemNm":null,"pkgUnitCd":"NT","pkg":1,"qtyUnitCd":"U","qty":1,"prc":3500,"splyAmt":3500,"dcRt":0,"dcAmt":0,"taxblAmt":3500, "vatCatCd": "A" "iplCatCd": "IPL1", "tlCatCd": "TL", "exciseCatCd": "EXEEG", "taxblAmt": 200000, "vatAmt": 30508, "iplAmt": 30508,"tlAmt": 30508, "exciseTxAmt": 30508, ,"totAmt":3500,"itemExprDt":null}]}

Response

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
TrnsPurchaseSaveRes	Save Purchase Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result DateTime	CHAR		14	
JSON RESPONSE SAMPLE											
{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120194650","data":null}											

3.8. Stock Information

Endpoints

Path	Operation
/stock/selectStockItems	Get stock items
/stock/saveStockItems	Add stock item
/stockMaster/saveStockMaster	Add stock master information

Get Stock Items [Mandatory]

Request – POST /stock/selectStockItems

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
StockMoveReq	Select Stock Items Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						lastReqDt	Last Request date time	CHAR	Y	14	
JSON REQUEST SAMPLE											
{"tpin":"9999911300","bhfId":"000","lastReqDt":"20180524000000"}											

Response

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
StockMoveRes	Search Stock Movement Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	
		StockMove <List>	Stock movement information			custTpin	Customer TPIN	CHAR		10	
						custBhfId	Customer Branch Office ID	CHAR		3	
						sarNo	Stored and released Number	NUMBER		38	
						ocrnDt	Occurred Date	CHAR		8	yyyyMMdd
						totItemCnt	Total Item Count	NUMBER		10	
						totTaxblAmt	Total Supply Price	NUMBER		18,2	

						totTaxAmt	Total VAT	NUMBER		18,2	
						totAmt	Total Amount	NUMBER		18,2	
						remark	Remark	CHAR		400	
				StockMoveItem	Stock	itemSeq	Item Sequence	NUMBER		3	
				<List>	movement Item	itemClsCd	Item Class Code	CHAR		10	
						itemCd	Item Code	CHAR		20	
						itemNm	Item Name	CHAR		200	
						bcd	Barcode	CHAR		20	
						pkgUnitCd	Package unit code	CHAR		5	
						pkg	Package Quantity	NUMBER		13,2	
						qtyUnitCd	Unit Quantity Cod e	CHAR		5	
						qty	Unit Quantity	NUMBER		13,2	
						itemExprDt	Item Expired Date	CHAR		8	yyyyMMdd
						prc	Unit Price	NUMBER		15,2	
						splyAmt	Supply Amount	NUMBER		18,2	
						totDcAmt	Discount Rate	NUMBER		18,2	
						taxblAmt	Taxable Amount	NUMBER		18,2	
						taxTyCd	Taxation Type Code	CHAR		5	See ‘4.1. Tax Type’
						taxAmt	Tax Amount	NUMBER		18,2	
						totAmt	Total Amount	NUMBER		18,2	0

JSON RESPONSE SAMPLE

{"resultCd":"000","resultMsg":"It is succeeded","resultDt":”20231120200723","data":{"stockList":[{"custTpin":"1234567890","custBhfId":"000","sarNo":6,"ocrnDt":”20231120","totItemCnt":1,"totTaxblAmt":1800000,"totTaxAmt":274576.27,"totAmt":1800000,"remark":null,"itemList":[{"itemSeq":1,"itemCd":"KR2BZX0000001","itemClsCd":"1110162100","itemNm":"Grocery_Item#1","bcd":"8801234567051","pkgUnitCd":"BZ","pkg":0,"qtyUnitCd":"CA","qty":450,"itemExprDt":null,"prc":4000,"splyAmt":1800000,"totDcAmt":0,"taxblAmt":1800000,"taxTyCd":"B","taxAmt":274576.27,"totAmt":1800000}]},{"custTpin":"1234567890","custBhfId":"000","sarNo":59,"ocrnDt":"20231120","totItemCnt":1,"totTaxblAmt":660000,"totTaxAmt":100677.97,"totAmt":660000,"remark":null,"itemList":[{"itemSeq":1,"itemCd":"KR2AMXCRX0000001","itemClsCd":"1110151600","itemNm":"sample_nudle#1","bcd":"8801234567001","pkgUnitCd":"AM","pkg":0,"qtyUnitCd":"CR","qty":600,"itemExprDt":null,"prc":1100,"splyAmt":660000,"totDcAmt":0,"taxblAmt":660000,"taxTyCd":"B","taxAmt":100677.97,"totAmt":660000}]}]}}

Add Stock Item [Mandatory]

Request – POST /stock/saveStockItems

Object						Attribute					
Object ID	Object Name	Sub Object_1		Sub Object_2		Attribute ID	Attribute Name	Data Type	Required	Data Length	Format
		Object ID	Object Name	Object ID	Object Name						
StockIOSaveReq	Save Stock In/Out Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						sarNo	Stored and released Number	NUMBER	Y	38	
						orgSarNo	Original Stored and released Number	NUMBER	Y	38	
						regTyCd	Registration Type Code	CHAR	Y	5	
						custTpin	Customer TPIN	CHAR	N	10	
						custNm	Customer Name	CHAR	N	100	
						custBhfId	Customer BHF ID	CHAR	N	2	
						sarTyCd	Stored and released Type Code	CHAR	Y	5	See '4.15. Stock In/Out Type'
						ocrnDt	Occurred Date time	CHAR	Y	8	yyyyMMdd
						totItemCnt	Total Item Count	NUMBER	Y	10	
						totTaxblAmt	Total Supply Price	NUMBER	Y	18,2	
						totTaxAmt	Total VAT	NUMBER	Y	18,2	
						totAmt	Total Amount	NUMBER	Y	18,2	
						remark	Remark	CHAR	N	400	
						regrNm	Registrant Name	CHAR	Y	60	
						regrId	Registrant ID	CHAR	Y	20	
						modrNm	Modifier Name	CHAR	Y	60	
						modrId	Modifier ID	CHAR	Y	20	

		StockIOSaveItem <List>	Stock in/out item information			itemSeq	Item Sequence	NUMBER	Y	3	
						itemCd	Item Code	CHAR	N	20	
						itemClsCd	Item Class Code	CHAR	Y	10	
						itemNm	Item Name	CHAR	Y	200	
						bcd	Barcode	CHAR	N	20	
						pkgUnitCd	Package unit code	CHAR	Y	5	
						pkg	Package Quantity	NUMBER	Y	13,2	
						qtyUnitCd	Unit Quantity Code	CHAR	Y	5	See '4.5. Packaging Unit'
						qty	Unit Quantity	NUMBER	Y	13,2	
						itemExprDt	Item Expired Date	CHAR	N	8	yyyyMMdd
						prc	Unit Price	NUMBER	Y	15,2	
						splyAmt	Supply Amount	NUMBER	Y	18,2	
						totDcAmt	Discount Amount	NUMBER	Y	18,2	
						taxblAmt	Taxable Amount	NUMBER	Y	18,2	
						taxTyCd	Taxation Type Code	CHAR	Y	5	See '4.1 Tax Type'
						taxAmt	Tax Amount	NUMBER	Y	18,2	
						totAmt	Total Amount	NUMBER	Y	18,2	

JSON REQUEST SAMPLE

{"tpin":"1234567890","bhfId":"000","sarNo":2,"orgSarNo":2,"regTyCd":"M","custTpin":null,"custNm":null,"custBhfId":null,"sarTyCd":"11","ocrnDt":"20231120","totItemCnt":2,"totTaxblAmt":70000,"totTaxAmt":12000,"totAmt":70000,"remark":null,"regrId":"Admin","regrNm":"Admin","modrNm":"Admin","modrId":"Admin","itemList":[{"itemSeq":1,"itemCd":"RW1NTXU0000001","itemClsCd":"5059690800","itemNm":"test item 1","bcd":null,"pkgUnitCd":"NI","pkg":10,"qtyUnitCd":"U","qty":10,"itemExprDt":null,"prc":3500,"splyAmt":35000,"totDcAmt":0,"taxblAmt":35000,"taxTyCd":"B","taxAmt":6000,"totAmt":35000},{"itemSeq":2,"itemCd":"RW1NTXU0000002","itemClsCd":"5059690800","itemNm":"test item 2","bcd":null,"pkgUnitCd":"NI","pkg":10,"qtyUnitCd":"U","qty":10,"itemExprDt":null,"prc":3500,"splyAmt":35000,"totDcAmt":0,"taxblAmt":35000,"taxTyCd":"B","taxAmt":6000,"totAmt":35000}]}

Response

Object				Attribute					
Object ID	**Object Name**	**Sub Object_1**	**Sub Object_2**	**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	**Format**

		Object ID	Object Name	Object ID	Object Name						
StockIOSaveRes	Save Stock In/Out Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	
JSON RESPONSE SAMPLE											
{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120195801","data":null}											

Add Master Stock Items [Mandatory]

Request – POST /stockMaster/saveStockMaster

Object						**Attribute**					**Format**
Object ID	**Object Name**	**Sub Object_1**		**Sub Object_2**		**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	
		Object ID	**Object Name**	**Object ID**	**Object Name**						
StockMstSaveReq	Save Stock Master Request					tpin	TPIN	CHAR	Y	10	
						bhfId	Branch ID	CHAR	Y	3	
						itemCd	Item Code	CHAR	Y	20	
						rsdQty	Remain Quantity	NUMBER	Y	13,2	
						regrNm	Registrant Name	CHAR	Y	60	
						regrId	Registrant ID	CHAR	Y	20	
						modrNm	Modifier Name	CHAR	Y	60	
						modrId	Modifier ID	CHAR	Y	20	
JSON REQUEST SAMPLE											
{"tpin":"1234567890","bhfId":"000","itemCd":"RW1NTXU0000002","rsdQty":10,"regrId":"Admin","regrNm":"Admin","modrNm":"Admin","modrId":"Admin"}											

Response

Object				**Attribute**					**Format**
Object ID	**Object Name**	**Sub Object_1**	**Sub Object_2**	**Attribute ID**	**Attribute Name**	**Data Type**	**Required**	**Data Length**	

		Object ID	Object Name	Object ID	Object Name						
StockMstSaveRes	Save Stock Master Response					resultCd	Result Code	CHAR		3	
						resultMsg	Result Message	CHAR			
						resultDt	Result Date	CHAR		14	
JSON RESPONSE SAMPLE											
{"resultCd":"000","resultMsg":"It is succeeded","resultDt":"20231120195637","data":null}											

4. Code Definition

4.1. Tax Type

Code Classification			Code Classification Name	
04			Tax Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
A	1	Standard Rated 16%	Category applies to products and services which attract VAT at 16% by nature	
B	2	Minimum Taxable Value (MTV)	16% is charged on the Retail Price recommended by manufacturer of MTV goods.	
C1	3	Exports 0%	Applies to exports	
C2	4	Zero-rating Local Purchases Order transactions 0%	Applies to transactions involving customers or projects granted exemption from paying taxes	
C3	5	Zero-rated by nature 0%	Category applies to products and services which do not attract VAT at 16% by nature.	
D	6	Exempt No tax charge	The category applies to specific class of products and services exempted from VAT	
TOT	7	No tax charge	Category applies to all transactions for taxpayers who are registered under Turnover Tax	

4.2. Taxpayer Status

Code Classification			Code Classification Name	
15			Taxpayer Status	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
A	1	Active	Active	
D	2	Deregistered	Deregistered	

4.3. Product Type

Code Classification			Code Classification Name	
24			Product Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
1	1	Raw Material	Raw Material	
2	2	Finished Product	Finished Product	
3	3	Service	Service without stock	

4.4. Countries code

Code Classification			Code Classification Name	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
AC	1	ASCENSION ISLAND	ASCENSION ISLAND	
AD	2	ANDOZRA	ANDOZRA	
AE	3	UNITED ARAB EMIRATES	UNITED ARAB EMIRATES	
AG	4	ANTIGUA AND BARBUDA	ANTIGUA AND BARBUDA	
AI	5	ANGUILLA	ANGUILLA	
AL	6	ALBANIA	ALBANIA	
AM	7	ARMENIA	ARMENIA	
AN	8	NETHERLANDS ANTILLES	NETHERLANDS ANTILLES	
AO	9	ANGOLA	ANGOLA	
AQ	10	ANTARCTICA	ANTARCTICA	

AR	11	ARGENTINA	ARGENTINA	
AS	12	AMERICAN SAMOA	AMERICAN SAMOA	

Code Classification			**Code Classification Name**	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
AT	13	AUSTRIA	AUSTRIA	
AU	14	AUSTRALIA	AUSTRALIA	
AW	15	ARUBA	ARUBA	
AX	16	ALAND ISLANDS	ALAND ISLANDS	
AZ	17	AZERBAIJAN	AZERBAIJAN	
BA	18	BOSNIA AND HERZEGOVINA	BOSNIA AND HERZEGOVINA	
BB	19	BARBADOS	BARBADOS	
BD	20	BANGLADESH	BANGLADESH	
BE	21	BELGIUM	BELGIUM	
BF	22	BURKINA FASO	BURKINA FASO	
BG	23	BULGARIA	BULGARIA	
BH	24	BAHRAIN	BAHRAIN	
BI	25	BURUNDI	BURUNDI	
BJ	26	BENIN	BENIN	
BM	27	BERMUDA	BERMUDA	
BN	28	BRUNEI DARUSSALAM	BRUNEI DARUSSALAM	
BO	29	BOLIVIA	BOLIVIA	
BR	30	BRAZIL	BRAZIL	
BS	31	BAHAMAS	BAHAMAS	
BT	32	BHUTAN	BHUTAN	
BV	33	BOUVET ISLAND	BOUVET ISLAND	
BW	34	BOTSWANA	BOTSWANA	
BY	35	BELARUS	BELARUS	
BZ	36	BELIZE	BELIZE	
CA	37	CANADA	CANADA	
CC	38	COCOS (KEELING) ISLANDS	COCOS (KEELING) ISLANDS	
CD	39	CONGO, DEMOCRATIC REPUBLIC	CONGO, DEMOCRATIC REPUBLIC	
CF	40	CENTRAL AFRICAN REPUBLIC	CENTRAL AFRICAN REPUBLIC	
CG	41	CONGO	CONGO	
CH	42	SWITZERLAND	SWITZERLAND	
CI	43	COTE D'IVOIRE (IVORY COAST)	COTE D'IVOIRE (IVORY COAST)	
CK	44	COOK ISLANDS	COOK ISLANDS	
CL	45	CHILE	CHILE	
CM	46	CAMEROON	CAMEROON	
CN	47	CHINA	CHINA	
CO	48	COLOMBIA	COLOMBIA	
CR	49	COSTA RICA	COSTA RICA	
CS	50	CZECHOSLOVAKIA (FORMER)	CZECHOSLOVAKIA (FORMER)	

CU	51	CUBA	CUBA	
CV	52	CAPE VERDE	CAPE VERDE	
CX	53	CHRISTMAS ISLAND	CHRISTMAS ISLAND	
CY	54	CYPRUS	CYPRUS	
CZ	55	CZECH REPUBLIC	CZECH REPUBLIC	

Code Classification			**Code Classification Name**	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
DE	56	GERMANY	GERMANY	
DJ	57	DJIBOUTI	DJIBOUTI	
DK	58	DENMARK	DENMARK	
DM	59	DOMINICA	DOMINICA	
DO	60	DOMINICAN REPUBLIC	DOMINICAN REPUBLIC	
DZ	61	ALGERIA	ALGERIA	
EC	62	ECUADOR	ECUADOR	
EE	63	ESTONIA	ESTONIA	
EG	64	EGYPT	EGYPT	
EH	65	WESTERN SAHARA	WESTERN SAHARA	
ER	66	ERITREA	ERITREA	
ES	67	SPAIN	SPAIN	
ET	68	ETHIOPIA	ETHIOPIA	
EU	69	EUROPEAN UNION	EUROPEAN UNION	
FI	70	FINLAND	FINLAND	
FJ	71	FIJI	FIJI	
FK	72	FALKLAND ISLANDS (MALVINAS)	FALKLAND ISLANDS (MALVINAS)	
FM	73	MICRONESIA	MICRONESIA	
FO	74	FAROE ISLANDS	FAROE ISLANDS	
FR	75	FRANCE	FRANCE	
FX	76	FRANCE, METROPOLITAN	FRANCE, METROPOLITAN	
GA	77	GABON	GABON	
GB	78	GREAT BRITAIN (UK)	GREAT BRITAIN (UK)	
GD	79	GRENADA	GRENADA	
GE	80	GEORGIA	GEORGIA	
GF	81	FRENCH GUIANA	FRENCH GUIANA	
GG	82	GUERNSEY	GUERNSEY	
GH	83	GHANA	GHANA	
GI	84	GIBRALTAR	GIBRALTAR	
GL	85	GREENLAND	GREENLAND	
GM	86	GAMBIA	GAMBIA	
GN	87	GUINEA	GUINEA	
GP	88	GUADELOUPE	GUADELOUPE	
GQ	89	EQUATORIAL GUINEA	EQUATORIAL GUINEA	
GR	90	GREECE	GREECE	
GS	91	S. GEORGIA AND S. SANDWICH ISLS.	S. GEORGIA AND S. SANDWICH ISLS.	
GT	92	GUATEMALA	GUATEMALA	
GU	93	GUAM	GUAM	

GW	94	GUINEA BISSAU	GUINEA BISSAU	
GY	95	GUYANA	GUYANA	
HK	96	HONG KONG	HONG KONG	
HM	97	HEARD AND MCDONALD ISLANDS	HEARD AND MCDONALD ISLANDS	
HN	98	HONDURAS	HONDURAS	
HR	99	CROATIA (HRVATSKA)	CROATIA (HRVATSKA)	

Code Classification			**Code Classification Name**	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
HT	100	HAITI	HAITI	
HU	101	HUNGARY	HUNGARY	
ID	102	INDONESIA	INDONESIA	
IE	103	IRELAND	IRELAND	
IL	104	ISRAEL	ISRAEL	
IM	105	ISLE OF MAN	ISLE OF MAN	
IN	106	INDIA	INDIA	
IO	107	BRITISH INDIAN OCEAN TERRITORY	BRITISH INDIAN OCEAN TERRITORY	
IQ	108	IRAQ	IRAQ	
IR	109	IRAN	IRAN	
IS	110	ICELAND	ICELAND	
IT	111	ITALY	ITALY	
JE	112	JERSEY	JERSEY	
JM	113	JAMAICA	JAMAICA	
JO	114	JORDAN	JORDAN	
JP	115	JAPAN	JAPAN	
KE	116	KENYA	KENYA	
KG	117	KYRGYZSTAN	KYRGYZSTAN	
KH	118	CAMBODIA	CAMBODIA	
KI	119	KIRIBATI	KIRIBATI	
KM	120	COMOROS	COMOROS	
KN	121	SAINT KITTS AND NEVIS	SAINT KITTS AND NEVIS	
KP	122	NORTH KOREA	NORTH KOREA	
KR	123	SOUTH KOREA	SOUTH KOREA	
KW	124	KUWAIT	KUWAIT	
KY	125	CAYMAN ISLANDS	CAYMAN ISLANDS	
KZ	126	KAZAKHSTAN	KAZAKHSTAN	
LA	127	LAOS	LAOS	
LB	128	LEBANON	LEBANON	
LC	129	SAINT LUCIA	SAINT LUCIA	
LI	130	LIECHTENSTEIN	LIECHTENSTEIN	
LK	131	SRI LANKA	SRI LANKA	
LR	132	LIBERIA	LIBERIA	
LS	133	LESOTHO	LESOTHO	
LT	134	LITHUANIA	LITHUANIA	
LU	135	LUXEMBOURG	LUXEMBOURG	
LV	136	LATVIA	LATVIA	

LY	137	LIBYA	LIBYA	
MA	138	MOROCCO	MOROCCO	
MC	139	MONACO	MONACO	
MD	140	MOLDOVA	MOLDOVA	
ME	141	MONTENEGRO	MONTENEGRO	
MG	142	MADAGASCAR	MADAGASCAR	
MH	143	MARSHALL ISLANDS	MARSHALL ISLANDS	
MK	144	F.Y.R.O.M. (MACEDONIA)	F.Y.R.O.M. (MACEDONIA)	

Code Classification			Code Classification Name	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
ML	145	MALI	MALI	
MM	146	MYANMAR	MYANMAR	
MN	147	MONGOLIA	MONGOLIA	
MO	148	MACAU	MACAU	
MP	149	NORTHERN MARIANA ISLANDS	NORTHERN MARIANA ISLANDS	
MQ	150	MARTINIQUE	MARTINIQUE	
MR	151	MAURITANIA	MAURITANIA	
MS	152	MONTSEZRAT	MONTSEZRAT	
MT	153	MALTA	MALTA	
MU	154	MAURITIUS	MAURITIUS	
MV	155	MALDIVES	MALDIVES	
MW	156	MALAWI	MALAWI	
MX	157	MEXICO	MEXICO	
MY	158	MALAYSIA	MALAYSIA	
MZ	159	MOZAMBIQUE	MOZAMBIQUE	
NA	160	NAMIBIA	NAMIBIA	
NC	161	NEW CALEDONIA	NEW CALEDONIA	
NE	162	NIGER	NIGER	
NF	163	NORFOLK ISLAND	NORFOLK ISLAND	
NG	164	NIGERIA	NIGERIA	
NI	165	NICARAGUA	NICARAGUA	
NL	166	NETHERLANDS	NETHERLANDS	
NO	167	NORWAY	NORWAY	
NP	168	NEPAL	NEPAL	
NR	169	NAURU	NAURU	
NT	170	NEUTRAL ZONE	NEUTRAL ZONE	
NU	171	NIUE	NIUE	
NZ	172	NEW ZEALAND (AOTEAROA)	NEW ZEALAND (AOTEAROA)	
OM	173	OMAN	OMAN	
PA	174	PANAMA	PANAMA	
PE	175	PERU	PERU	
PF	176	FRENCH POLYNESIA	FRENCH POLYNESIA	
PG	177	PAPUA NEW GUINEA	PAPUA NEW GUINEA	
PH	178	PHILIPPINES	PHILIPPINES	
PK	179	PAKISTAN	PAKISTAN	
PL	180	POLAND	POLAND	
PM	181	ST. PIERRE AND MIQUELON	ST. PIERRE AND MIQUELON	
PN	182	PITCAIRN	PITCAIRN	
PR	183	PUERTO RICO	PUERTO RICO	
PS	184	PALESTINIAN TERRITORY, OCCUPIED	PALESTINIAN TERRITORY, OCCUPIED	
PT	185	PORTUGAL	PORTUGAL	
PW	186	PALAU	PALAU	
PY	187	PARAGUAY	PARAGUAY	
QA	188	QATAR	QATAR	

Code Classification			Code Classification Name	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
RE	189	REUNION	REUNION	
RO	190	ROMANIA	ROMANIA	
RS	191	SERBIA	SERBIA	
RU	192	RUSSIAN FEDERATION	RUSSIAN FEDERATION	
RW	193	RWANDA	RWANDA	
SA	194	SAUDI ARABIA	SAUDI ARABIA	
SB	195	SOLOMON ISLANDS	SOLOMON ISLANDS	
SC	196	SEYCHELLES	SEYCHELLES	
SD	197	SUDAN	SUDAN	
SE	198	SWEDEN	SWEDEN	
SG	199	SINGAPORE	SINGAPORE	
SH	200	ST. HELENA	ST. HELENA	
SI	201	SLOVENIA	SLOVENIA	
SJ	202	SVALBARD & JAN MAYEN ISLANDS	SVALBARD & JAN MAYEN ISLANDS	
SK	203	SLOVAK REPUBLIC	SLOVAK REPUBLIC	
SL	204	SIEZRA LEONE	SIEZRA LEONE	
SM	205	SAN MARINO	SAN MARINO	
SN	206	SENEGAL	SENEGAL	
SO	207	SOMALIA	SOMALIA	
SR	208	SURINAME	SURINAME	
ST	209	SAO TOME AND PRINCIPE	SAO TOME AND PRINCIPE	
SU	210	USSR (FORMER)	USSR (FORMER)	
SV	211	EL SALVADOR	EL SALVADOR	
SY	212	SYRIA	SYRIA	
SZ	213	SWAZILAND	SWAZILAND	
TC	214	TURKS AND CAICOS ISLANDS	TURKS AND CAICOS ISLANDS	
TD	215	CHAD	CHAD	
TF	216	FRENCH SOUTHERN TERRITORIES	FRENCH SOUTHERN TERRITORIES	
TG	217	TOGO	TOGO	
TH	218	THAILAND	THAILAND	
TJ	219	TAJIKISTAN	TAJIKISTAN	
TK	220	TOKELAU	TOKELAU	
TM	221	TURKMENISTAN	TURKMENISTAN	
TN	222	TUNISIA	TUNISIA	
TO	223	TONGA	TONGA	
TP	224	EAST TIMOR	EAST TIMOR	
TR	225	TURKEY	TURKEY	
TT	226	TRINIDAD AND TOBAGO	TRINIDAD AND TOBAGO	
TV	227	TUVALU	TUVALU	
TW	228	TAIWAN	TAIWAN	
TZ	229	TANZANIA	TANZANIA	
UA	230	UKRAINE	UKRAINE	

UG	231	UGANDA	UGANDA	
UK	232	UNITED KINGDOM	UNITED KINGDOM	

Code Classification			Code Classification Name	
05			Nation	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
UM	233	US MINOR OUTLYING ISLANDS	US MINOR OUTLYING ISLANDS	
US	234	UNITED STATES	UNITED STATES	
UY	235	URUGUAY	URUGUAY	
UZ	236	UZBEKISTAN	UZBEKISTAN	
VA	237	VATICAN CITY STATE (HOLY SEE)	VATICAN CITY STATE (HOLY SEE)	
VC	238	SAINT VINCENT & THE GRENADINES	SAINT VINCENT & THE GRENADINES	
VE	239	VENEZUELA	VENEZUELA	
VG	240	BRITISH VIRGIN ISLANDS	BRITISH VIRGIN ISLANDS	
VI	241	VIRGIN ISLANDS (U.S.)	VIRGIN ISLANDS (U.S.)	
VN	242	VIET NAM	VIET NAM	
VU	243	VANUATU	VANUATU	
WF	244	WALLIS AND FUTUNA ISLANDS	WALLIS AND FUTUNA ISLANDS	
WS	245	SAMOA	SAMOA	
YE	246	YEMEN	YEMEN	
YT	247	MAYOTTE	MAYOTTE	
YU	248	SERBIA AND MONTENEGRO (FORMER)	SERBIA AND MONTENEGRO (FORMER)	
ZA	249	SOUTH AFRICA	SOUTH AFRICA	
ZM	250	ZAMBIA	ZAMBIA	
ZR	251	(ZAIRE) SEE CD CONGO, DEMOCRATIC REPUBLIC	(ZAIRE) SEE CD CONGO, DEMOCRATIC REPUBLIC	
ZW	252	ZIMBABWE	ZIMBABWE	

4.5. Packaging Unit

Code Classification			Code Classification Name	
17			Packaging Unit	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
AM	1	Ampoule	Ampoule	
BA	2	Barrel	Barrel	
BC	3	Bottlecrate	Bottlecrate	
BE	4	Bundle	Bundle	
BF	5	Balloon, non-protected	Balloon, non-protected	
BG	6	Bag	Bag	
BJ	7	Bucket	Bucket	
BK	8	Basket	Basket	
BL	9	Bale	Bale	
BQ	10	Bottle, protected cylindrical	Bottle, protected cylindrical	
BR	11	Bar	Bar	

BV	12	Bottle, bulbous	Bottle, bulbous	
BZ	13	Bag	Bag	
CA	14	Can	Can	
CH	15	Chest	Chest	

Code Classification			**Code Classification Name**	
17			Packaging Unit	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
CJ	16	Coffin	Coffin	
CL	17	Coil	Coil	
CR	18	Wooden Box, Wooden Case	Wooden Box, Wooden Case	
CS	19	Cassette	Cassette	
CT	20	Carton	Carton	
CTN	21	Container	Container	
CY	22	Cylinder	Cylinder	
DR	23	Drum	Drum	
GT	24	Extra Countable Item	Extra Countable Item	
HH	25	Hand Baggage	Hand Baggage	
IZ	26	Ingots	Ingots	
JR	27	Jar	Jar	
JU	28	Jug	Jug	
JY	29	Jerry CAN Cylindrical	Jerry CAN Cylindrical	
KZ	30	Canester	Canester	
LZ	31	Logs, in bundle/bunch/truss	Logs, in bundle/bunch/truss	
NT	32	Net	Net	
OU	33	Non-Exterior Packaging Unit	Non-Exterior Packaging Unit	
PD	34	Poddon	Poddon	
PG	35	Plate	Plate	
PI	36	Pipe	Pipe	
PO	37	Pilot	Pilot	
PU	38	Traypack	Traypack	
RL	39	Reel	Reel	
RO	40	Roll	Roll	
RZ	41	Rods, in bundle/bunch/truss	Rods, in bundle/bunch/truss	
SK	42	Skeletoncase	Skeletoncase	
TY	43	Tank, cylindrical	Tank, cylindrical	
VG	44	Bulk,gas(at 1031 mbar 15 oC)	Bulk,gas(at 1031 mbar 15 oC)	
VL	45	Bulk,liquid(at normal temperature/pressure)	Bulk,liquid(at normal temperature/pressure)	
VO	46	Bulk, solid, large particles(nodules)	Bulk, solid, large particles("nodules")	
VQ	47	Bulk, gas (liquefied at abnormal temperature/pressure)	Bulk, gas(liquefied at abnormal temperature/pressure)	
VR	48	Bulk, solid, granular particles(grains)	Bulk, solid, granular particles("grains")	
VT	49	Extra Bulk Item	Extra Bulk Item	
VY	50	Bulk, fine particles(powder)	Bulk, fine particles("powder")	
ML	51	Mills	cigarette Mills	
TN	52	TAN	1TAN REFER TO 20BAGS	

4.6. Unit of Quantity

Code Classification			Code Classification Name	
10			Unit of Quantity	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
4B	1	Pair	Pair	
AV	2	Cap	Cap	
BA	3	Barrel	Barrel	
BE	4	bundle	bundle	
BG	5	bag	bag	
BL	6	block	block	
BLL	7	BLL Barrel	BLL Barrel (petroleum) (158,987 dm3)	
BX	8	box	box	
CA	9	Can	Can	
CEL	10	Cell	Cell	
CMT	11	centimetre	centimetre	
CR	12	CARAT	CARAT	
DR	13	Drum	Drum	
DZ	14	Dozen	Dozen	
GLL	15	Gallon	Gallon	
GRM	16	Gram	Gram	
GRO	17	Gross	Gross	
KG	18	Kilo-Gramme	Kilo-Gramme	
KTM	19	kilometre	kilometre	
KWT	20	kilowatt	kilowatt	
L	21	Litre	Litre	
LBR	22	pound	pound	
LK	23	link	link	
LTR	24	Litre	Litre	
M	25	Metre	Metre	
M2	26	Square Metre	Square Metre	
M3	27	Cubic Metre	Cubic Metre	
MGM	28	milligram	milligram	
MTR	29	metre	metre	
MWT	30	megawatt hour (1000 kW.h)	megawatt hour (1000 kW.h)	
NO	31	Number	Number	
NX	32	part per thousand	part per thousand	
PA	33	packet	packet	
PG	34	plate	plate	
PR	35	pair	pair	
RL	36	reel	reel	
RO	37	roll	roll	
SET	38	set	set	
ST	39	sheet	sheet	
TNE	40	tonne (metric ton)	tonne (metric ton)	
TU	41	tube	tube	
U	42	Pieces/item [Number]	Pieces/item [Number]	
YRD	43	yard	yard	

4.7. Currency

Code Classification			Code Classification Name	
33			Currency	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
AED	1	United Arab Emirates dirham	United Arab Emirates dirham	
AFN	2	Afghan afghani	Afghan afghani	
ALL	3	Albanian lek	Albanian lek	
AMD	4	Armenian dram	Armenian dram	
ANG	5	Netherlands Antillean guilder	Netherlands Antillean guilder	
AOA	6	Angolan kwanza	Angolan kwanza	
ARS	7	Argentine peso	Argentine peso	
AUD	8	Australian dollar	Australian dollar	
AWG	9	Aruban florin	Aruban florin	
AZN	10	Azerbaijani manat	Azerbaijani manat	
BAM	11	Bosnia and Herzegovina convertible mark	Bosnia and Herzegovina convertible mark	
BBD	12	Barbados dollar	Barbados dollar	
BDT	13	Bangladeshi taka	Bangladeshi taka	
BGN	14	Bulgarian lev	Bulgarian lev	
BHD	15	Bahraini dinar	Bahraini dinar	
BIF	16	Burundian franc	Burundian franc	
BMD	17	Bermudian dollar	Bermudian dollar	
BND	18	Brunei dollar	Brunei dollar	
BOB	19	Boliviano	Boliviano	
BOV	20	Bolivian Mvdol (funds code)	Bolivian Mvdol (funds code)	
BRL	21	Brazilian real	Brazilian real	
BSD	22	Bahamian dollar	Bahamian dollar	
BTN	23	Bhutanese ngultrum	Bhutanese ngultrum	
BWP	24	Botswana pula	Botswana pula	
BYN	25	New Belarusian ruble	New Belarusian ruble	
BYR	26	Belarusian ruble	Belarusian ruble	
BZD	27	Belize dollar	Belize dollar	
CAD	28	Canadian dollar	Canadian dollar	
CDF	29	Congolese franc	Congolese franc	
CHE	30	WIR Euro (complementary currency)	WIR Euro (complementary currency)	
CHF	31	Swiss franc	Swiss franc	
CHW	32	WIR Franc (complementary currency)	WIR Franc (complementary currency)	
CLF	33	Unidad de Fomento (funds code)	Unidad de Fomento (funds code)	
CLP	34	Chilean peso	Chilean peso	
CNY	35	Chinese yuan	Chinese yuan	
COP	36	Colombian peso	Colombian peso	
COU	37	Unidad de Valor Real (UVR) (funds code)	Unidad de Valor Real (UVR) (funds code)	
CRC	38	Costa Rican colon	Costa Rican colon	
CUC	39	Cuban convertible peso	Cuban convertible peso	
CUP	40	Cuban peso	Cuban peso	
CVE	41	Cape Verde escudo	Cape Verde escudo	

Code Classification			Code Classification Name	
33			Currency	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
CZK	42	Czech koruna	Czech koruna	
DJF	43	Djiboutian franc	Djiboutian franc	
DKK	44	Danish krone	Danish krone	
DOP	45	Dominican peso	Dominican peso	
DZD	46	Algerian dinar	Algerian dinar	
EGP	47	Egyptian pound	Egyptian pound	
ERN	48	Eritrean nakfa	Eritrean nakfa	
ETB	49	Ethiopian birr	Ethiopian birr	
EUR	50	Euro	Euro	
FJD	51	Fiji dollar	Fiji dollar	
FKP	52	Falkland Islands pound	Falkland Islands pound	
GBP	53	Pound sterling	Pound sterling	
GEL	54	Georgian lari	Georgian lari	
GHS	55	Ghanaian cedi	Ghanaian cedi	
GIP	56	Gibraltar pound	Gibraltar pound	
GMD	57	Gambian dalasi	Gambian dalasi	
GNF	58	Guinean franc	Guinean franc	
GTQ	59	Guatemalan quetzal	Guatemalan quetzal	
GYD	60	Guyanese dollar	Guyanese dollar	
HKD	61	Hong Kong dollar	Hong Kong dollar	
HNL	62	Honduran lempira	Honduran lempira	
HRK	63	Croatian kuna	Croatian kuna	
HTG	64	Haitian gourde	Haitian gourde	
HUF	65	Hungarian forint	Hungarian forint	
IDR	66	Indonesian rupiah	Indonesian rupiah	
ILS	67	Israeli new shekel	Israeli new shekel	
INR	68	Indian rupee	Indian rupee	
IQD	69	Iraqi dinar	Iraqi dinar	
IRR	70	Iranian rial	Iranian rial	
ISK	71	Icelandic króna	Icelandic króna	
JMD	72	Jamaican dollar	Jamaican dollar	
JOD	73	Jordanian dinar	Jordanian dinar	
JPY	74	Japanese yen	Japanese yen	
KES	75	Kenyan shilling	Kenyan shilling	
KGS	76	Kyrgyzstani som	Kyrgyzstani som	
KHR	77	Cambodian riel	Cambodian riel	
KMF	78	Comoro franc	Comoro franc	
KPW	79	North Korean won	North Korean won	
KRW	80	South Korean won	South Korean won	
KWD	81	Kuwaiti dinar	Kuwaiti dinar	
KYD	82	Cayman Islands dollar	Cayman Islands dollar	
KZT	83	Kazakhstani tenge	Kazakhstani tenge	
LAK	84	Lao kip	Lao kip	
LBP	85	Lebanese pound	Lebanese pound	
LKR	86	Sri Lankan rupee	Sri Lankan rupee	

LRD	87	Liberian dollar	Liberian dollar	

Code Classification			**Code Classification Name**	
33			Currency	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
LSL	88	Lesotho loti	Lesotho loti	
LYD	89	Libyan dinar	Libyan dinar	
MAD	90	Moroccan dirham	Moroccan dirham	
MDL	91	Moldovan leu	Moldovan leu	
MGA	92	Malagasy ariary	Malagasy ariary	
MKD	93	Macedonian denar	Macedonian denar	
MMK	94	Myanmar kyat	Myanmar kyat	
MNT	95	Mongolian tögrög	Mongolian tögrög	
MOP	96	Macanese pataca	Macanese pataca	
MRO	97	Mauritanian ouguiya	Mauritanian ouguiya	
MUR	98	Mauritian rupee	Mauritian rupee	
MVR	99	Maldivian rufiyaa	Maldivian rufiyaa	
MWK	100	Malawian kwacha	Malawian kwacha	
MXN	101	Mexican peso	Mexican peso	
MXV	102	Mexican Unidad de Inversion (UDI) (funds code)	Mexican Unidad de Inversion (UDI) (funds code)	
MYR	103	Malaysian ringgit	Malaysian ringgit	
MZN	104	Mozambican metical	Mozambican metical	
NAD	105	Namibian dollar	Namibian dollar	
NGN	106	Nigerian naira	Nigerian naira	
NIO	107	Nicaraguan córdoba	Nicaraguan córdoba	
NOK	108	Norwegian krone	Norwegian krone	
NPR	109	Nepalese rupee	Nepalese rupee	
NZD	110	New Zealand dollar	New Zealand dollar	
OMR	111	Omani rial	Omani rial	
PAB	112	Panamanian balboa	Panamanian balboa	
PEN	113	Peruvian Sol	Peruvian Sol	
PGK	114	Papua New Guinean kina	Papua New Guinean kina	
PHP	115	Philippine peso	Philippine peso	
PKR	116	Pakistani rupee	Pakistani rupee	
PLN	117	Polish złoty	Polish złoty	
PYG	118	Paraguayan guaraní	Paraguayan guaraní	
QAR	119	Qatari riyal	Qatari riyal	
RON	120	Romanian leu	Romanian leu	
RSD	121	Serbian dinar	Serbian dinar	
RUB	122	Russian ruble	Russian ruble	
RWF	123	Rwandan franc	Rwandan franc	
SAR	124	Saudi riyal	Saudi riyal	
SBD	125	Solomon Islands dollar	Solomon Islands dollar	
SCR	126	Seychelles rupee	Seychelles rupee	
SDG	127	Sudanese pound	Sudanese pound	
SEK	128	Swedish krona/kronor	Swedish krona/kronor	
SGD	129	Singapore dollar	Singapore dollar	

SHP	130	Saint Helena pound	Saint Helena pound	
SLL	131	SieZRA Leonean leone	SieZRA Leonean leone	
SOS	132	Somali shilling	Somali shilling	

Code Classification			**Code Classification Name**	
33			Currency	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
SRD	133	Surinamese dollar	Surinamese dollar	
SSP	134	South Sudanese pound	South Sudanese pound	
STD	135	São Tomé and Príncipe dobra	São Tomé and Príncipe dobra	
SVC	136	Salvadoran colón	Salvadoran colón	
SYP	137	Syrian pound	Syrian pound	
SZL	138	Swazi lilangeni	Swazi lilangeni	
THB	139	Thai baht	Thai baht	
TJS	140	Tajikistani somoni	Tajikistani somoni	
TMT	141	Turkmenistani manat	Turkmenistani manat	
TND	142	Tunisian dinar	Tunisian dinar	
TOP	143	Tongan pa‘anga	Tongan pa‘anga	
TRY	144	Turkish lira	Turkish lira	
TTD	145	Trinidad and Tobago dollar	Trinidad and Tobago dollar	
TWD	146	New Taiwan dollar	New Taiwan dollar	
TZS	147	Tanzanian shilling	Tanzanian shilling	
UAH	148	Ukrainian hryvnia	Ukrainian hryvnia	
UGX	149	Ugandan shilling	Ugandan shilling	
USD	150	United States dollar	United States dollar	
USN	151	United States dollar (next day) (funds code)	United States dollar (next day) (funds code)	
UYI	152	Uruguay Peso en Unidades Indexadas (URUIURUI) (funds code)	Uruguay Peso en Unidades Indexadas (URUIURUI) (funds code)	
UYU	153	Uruguayan peso	Uruguayan peso	
UZS	154	Uzbekistan som	Uzbekistan som	
VEF	155	Venezuelan bolívar	Venezuelan bolívar	
VND	156	Vietnamese dong	Vietnamese dong	
VUV	157	Vanuatu vatu	Vanuatu vatu	
WST	158	Samoan tala	Samoan tala	
XAF	159	CFA franc BEAC	CFA franc BEAC	
XAG	160	Silver (one troy ounce)	Silver (one troy ounce)	
XAU	161	Gold (one troy ounce)	Gold (one troy ounce)	
XBA	162	European ComCISite Unit (EURCO) (bond market unit)	European ComCISite Unit (EURCO) (bond market unit)	
XBB	163	European Monetary Unit (E.M.U.-6) (bond market unit)	European Monetary Unit (E.M.U.-6) (bond market unit)	
XBC	164	European Unit of Account 9 (E.U.A.-9) (bond market unit)	European Unit of Account 9 (E.U.A.-9) (bond market unit)	
XBD	165	European Unit of Account 17 (E.U.A.-17) (bond market unit)	European Unit of Account 17 (E.U.A.-17) (bond market unit)	
XCD	166	East Caribbean dollar	East Caribbean dollar	
XDR	167	Special drawing rights	Special drawing rights	

XOF	168	CFA franc BCEAO	CFA franc BCEAO	
XPD	169	Palladium (one troy ounce)	Palladium (one troy ounce)	
XPF	170	CFP franc (franc Pacifique)	CFP franc (franc Pacifique)	
XPT	171	Platinum (one troy ounce)	Platinum (one troy ounce)	

Code Classification			Code Classification Name	
33			Currency	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
XSU	172	SUCRE	SUCRE	
XTS	173	Code reserved for testing purCISes	Code reserved for testing purCISes	
XUA	174	ADB Unit of Account	ADB Unit of Account	
XXX	175	No currency	No currency	
YER	176	Yemeni rial	Yemeni rial	
ZAR	177	South African rand	South African rand	
ZMW	178	Zambian kwacha	Zambian kwacha	
ZWL	179	Zimbabwean dollar A/10	Zimbabwean dollar A/10	

4.8. Transaction Type

Code Classification			Code Classification Name	
14			Transaction Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
C	1	Copy	Sales and purchase type : Copy	
N	2	Normal	Sales and purchase type : Normal	
P	3	Proforma	Sales and purchase type : Proforma	Proforma invoice
T	4	Training	Sales and purchase type : Training	

4.9. Sales Receipt Type

Code Classification			Code Classification Name	
37			Sales Receipt Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
S	10	Sale	Sale	
R	11	Refund after Sale	Refund after Sale	

4.10. Payment Method

Code Classification			Code Classification Name	
07			Payment Method	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
01	1	CASH	CASH	
02	2	CREDIT	CREDIT	
03	3	CASH/CREDIT	CASH/CREDIT	
04	4	BANK CHECK	BANK CHECK PAYMENT	
05	5	DEBIT&CREDIT CARD	PAYMENT USING CARD	
06	6	MOBILE MONEY	ANY TRANSACTION USING MOBILE MONEY SYSTEM	
07	7	OTHER	OTHER MEANS OF PAYMENT	

4.11. Transaction Progress

Code Classification			Code Classification Name	
11			Unit of Quantity	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
01	1	Wait for Approval	Wait for Approval	

02	2	Approved	Approved	
03	3	Cancel Requested	Cancel Requested	
04	4	Canceled	Canceled	
05	5	Refunded	Refunded	
06	6	Transferred	Transferred	

4.12. Registration Type

Code Classification			Code Classification Name	
31			Registration Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
A	1	Automatic	Automatic	
M	2	Manual	Manual	

4.13. Purchase Receipt Type

Code Classification			Code Classification Name	
38			Purchase Receipt Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
P	1	Purchase	Purchase	
R	2	Refund after Purchase	Refund after Purchase	

4.14. API Response Code

Code	System	Description
000	Server	It is succeeded
001	Server	There is no search result
884	Client	Invalid customer TPIN was provided
891	Client	An error occurred while Request URL is created.
892	Client	An error occurred while Request Header data is created.
893	Client	An error occurred while Request Body data is created.
894	Client	An error regarding server communication occurred.
895	Client	An error regarding unallowed Request Method occurred.
896	Client	An error regarding Request Status occurred.
899	Client	An error regarding Client occurred.
900	Server	There is no Header information
901	Server	It is not valid device
902	Server	This device is installed
903	Server	Only VSDC device can be verified.
910	Server	Request parameter error
911	Server	There is no request full text
912	Server	There is a request Method error.
921	Server	Sales or sales invoice data which is declared cannot be received.
922	Server	Sales invoice data can be received after receiving the sales data.
990	Server	The maximum number of views are exceeded
991	Server	There is an error during registration
992	Server	There is an error during modification
993	Server	There is an error during deletion
994	Server	There is an overlapped Data

995	Server	There is no downloaded file
999	Server	There is an unknown error. Please ask it administrator

4.15. Stock In/Out Type

Code Classification			Code Classification Name	
12			Stock In/Out Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
01	1	Import	Incoming-Import	
02	2	Purchase	Incoming- Purchase	
03	3	Return	Incoming- Return	
04	4	Stock Movement	Incoming- Stock Movement	
05	5	Processing	Incoming- Processing	
06	6	Adjustment	Incoming- Adjustment	
11	11	Sale	Outgoing- Sale	
12	12	Return	Outgoing- Return	

Code Classification			Code Classification Name	
12			Stock In/Out Type	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
13	13	Stock Movement	Outgoing- Stock Movement	
14	14	Processing	Outgoing- Processing	
15	15	Discarding	Outgoing- Discarding	
16	16	Adjustment	Outgoing- Adjustment	

4.16. Refund Reason Code

32			Refund reason code	
Code	**Sort Order**	**Code Name**	**Code Description**	**remark**
01	1	Missing Quantity	Missing Quantity	
02	2	Missing Item	Missing Item	
03	3	Damaged	Damaged	
04	4	Wasted	Wasted	
05	5	Raw Material Shortage	Raw Material Shortage	
06	6	Refund	Refund	
07	7	Wrong Customer TPIN	Wrong Customer TPIN	
08	8	Wrong Customer name	Wrong Customer name	
09	9	Wrong Amount/price	Wrong Amount/price	
10	10	Wrong Quantity	Wrong Quantity	
11	11	Wrong Item(s)	Wrong Item(s)	
12	12	Wrong tax type	Wrong tax type	
13	13	Other reason	Other reason	

4.17. Item code

itemCd is mandatory and it has to be unique. In other words, each item has its unique itemCd.

Below is how item code is generated. For example: **itemCd:** ZM2NTBA0000012

ZM: Country of Origin (Zambia)
2: Product Type (Finished Product)
NT: Packaging Unit (NET)
BA: Quantity Unity (Barrel)
0000012: increments from 0000001 to N value

4.18. Import Item status

Code Classification			Code Classification Name	
26			Import item Status	
Code	Sort Order	Code Name	Code Description	remark
1	1	Unsent		
2	2	Waiting		
3	3	Approved		
4	4	Cancelled		