



OPERATIONS & MAINTENANCE CATALOG  
FOR

“VFD-Plus”  
Virtual Fiscal Device Management System

Powered by  
GMTech Consult Ltd & Equipoint Properties Ltd

March 2022

## Introduction

### 1. EFD

#### What is an Electronic Fiscal Device? (EFD)

Electronic Fiscal Device (EFD) means a machine designed for use in business for efficient management controls in areas of sales analysis and stock control system and which conforms to the requirements specified by the laws.

Implementation of the EFDs By TRA undergoes several phases. First Phase aimed to use the EFD system to all VAT Registered TAXPayers. Second phase of Electronic Fiscal Device (EFD) began in 2013, with the aim to expand the number of traders who shall use the EFD system to issue receipts or tax invoice in every transaction made. The second phase includes non VAT registered traders administered under The Tax Administration Act 2015.

Implementation of the second phase of EFD included the following groups;

- i. Persons who are not VAT registered with a turnover ranging from TSHS 14 million and above per year;
- ii. Traders trading in the Region's prime areas, identified on the basis of rent payable;
- iii. Traders dealing with selected business sectors such as Spare Parts, Hardware, Mini Supermarkets, Petrol stations, Mobile phone shops, Sub wholesale shops, Bar and Restaurants, Pharmaceutical Stores; Electronic Shops etc.

The system is ongoing and the Authority has gradually be registering traders basing on traders business prosperity, experience and capacity

### 2. VFD

- The Tanzania Revenue Authority (TRA) advances its Electronic Fiscal Device Management system (EFDMS) with the phased implementation of the Virtual Fiscal Device (VFD) system, substituting the Electronic Fiscal Device (EFD)
- The Tanzania Revenue Authority (TRA) has developed the VFD system that will coexist with the EFD systems to issue digital tax documents for transactions involving the sale of goods and services.
- VFD is connected directly TO TRA Server.
- TAXPAYER can identify if Genuine receipt by – [verify.tra.go.tz/\(verificationcode\)](http://verify.tra.go.tz/(verificationcode))

### 3. VFD-PLUS

- Virtual Fiscal Device Management System ; VFD-PLUS is a system that sends electronic invoices/receipts to the TRA in real time receiving a validation response from the tax authority.
- It can be used with other POS systems or management software used for billing/Invoicing and enables taxpayers to send invoices directly to the TRA without the need for a physical EFD.

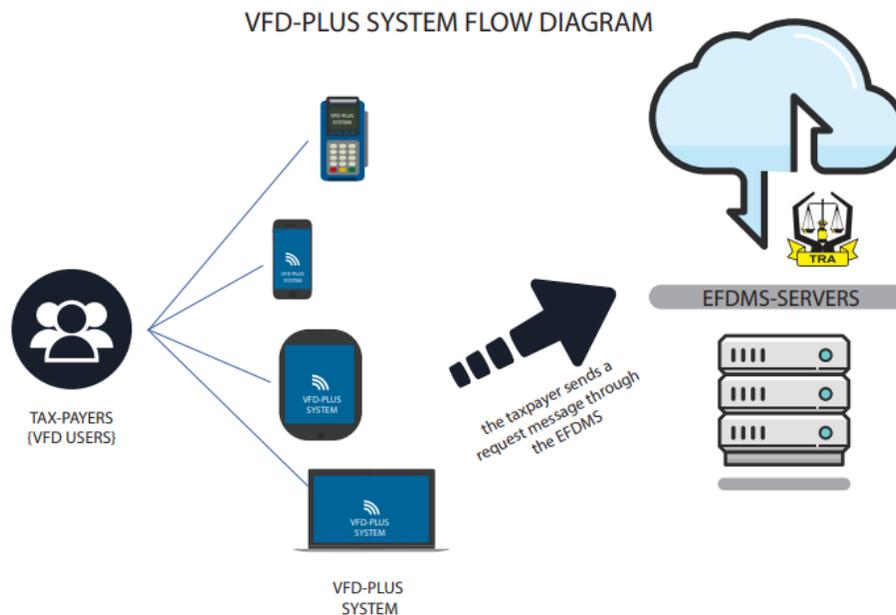
Currently below softwares have integrated into VFD :-

- DukaPlus POS & InventorySystem for Retail Businesses
- DukaPlus POS For Restaurants, Bars, Lounge & Cafe
- Vifurushi Courier Management System
- FleetPlus Logistics Management System

In case a customer is using customized software please contact our office for more details on integrations.

#### 4. HOW VFD-PLUS WORKS

- a. Through VFD the taxpayer's system connects with the TRA's EFDMS system. It requires previous registration to identify a company using a verification token.

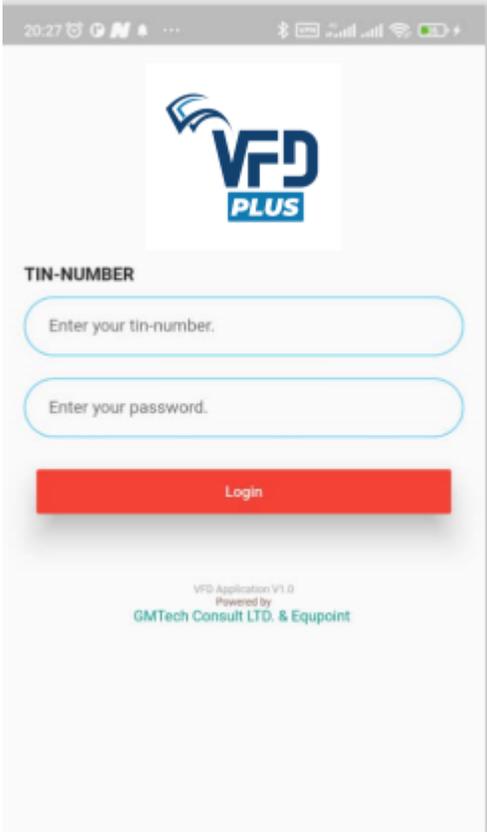


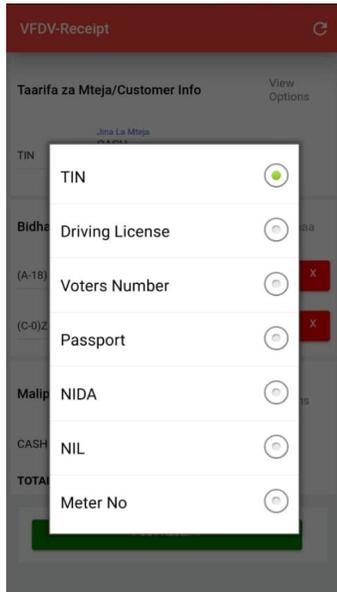
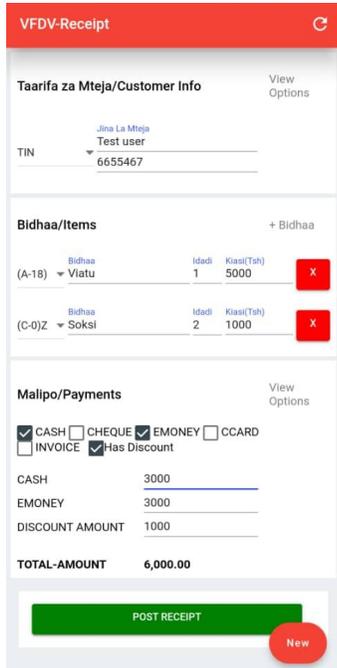
- b. The VFD's flow is the following: the taxpayer sends a request message through the EFDMS, if accepted it generates a company registration in the TRA and the company receives a username and password.



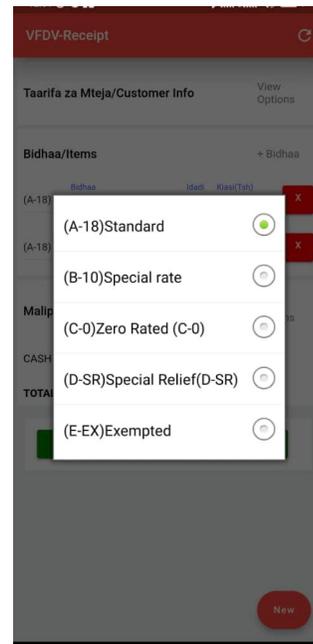
## 5. VFD-PLUS OPERATIONAL & MAINTENANCE CATALOG OVERVIEW

### VFD-PLUS MOBILE/WEB APPLICATIONS

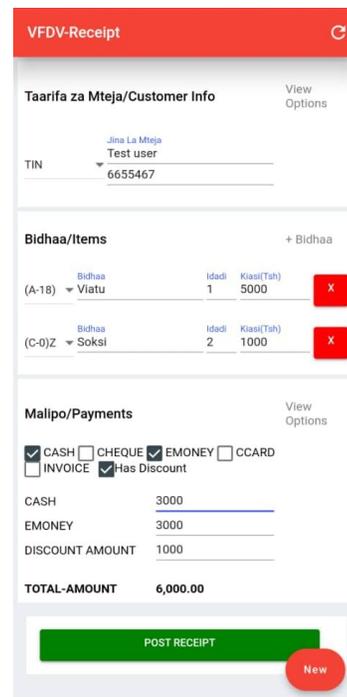
KEY FEATURES	OUR APPLICATION VIEW
<p><b>USER LOGIN / SIGN UP</b></p> <ul style="list-style-type: none"> <li>- <b>VFD-PLUS Mobile Application</b> uses the registered Taxpayer TIN of an end user as the user ID.</li> <li>- <b>USER PROFILE</b> After login , User can update his/her details using profile module</li> </ul>	
<p align="center"><b>APPLICATION DASHBOARD / MAIN MODULES / FEATURES</b></p> <ul style="list-style-type: none"> <li>- This is the landing part with key modules for users operations</li> <li>- Key Functionalities like; <ul style="list-style-type: none"> <li>- <b>TAXPAYER PROFILE</b></li> <li>- <b>ISSUE RECEIPT MODULE</b></li> <li>- <b>PRINT &amp; VERIFY RECEIPTS</b></li> <li>- <b>RECEIPTS HISTORY</b></li> <li>- <b>Z-REPORTS MODULE</b></li> <li>- <b>HELP DESK / NOTIFICATIONS</b></li> </ul> </li> </ul>	

FEATURES & FUNCTIONALITIES	
A. ISSUE RECEIPT MODULE	
<p><b>:- For every sale made,</b> Taxpayer is required to issue a fiscal receipt / Invoice.</p> <p>:- Followings steps should be followed</p> <ul style="list-style-type: none"> <li>- <b>ENTER CUSTOMER INFO:-</b> Each Receipt should have Customer Info;TIN, Driving License, Voters No, Passport No.,NIDA,Meter No.</li> <li>- Enter Any of the above.</li> </ul>	
<ul style="list-style-type: none"> <li>- <b>ENTER PURCHASED ITEM DESCRIPTION:-</b> Enter Name &amp; Description of the purchased Item.</li> </ul>	

- **SELECT TAX RATES**  
Choose Tax Rate as per options based on Item; Standard, Special Rate, Zero Rated, Special Rate Relief, Exempted.



- **PAYMENT AMOUNT**  
Before Tax (Exclusive Tax)  
Or After Tax (Inclusive Tax)
- **DISCOUNT AMOUNT (OPTIONAL)**  
If Discount is applicable,  
Enter Amount/ Percentage.



## B. PRINT & VERIFY RECEIPTS

- **PRINT & VERIFY RECEIPTS**  
To complete sale, VDF-Plus System printout Fiscal Receipt with verification Code in TRA Servers

TAXPAYER RECEIPT VERIFICATION PORTAL

**SPECIMEN** PART OF LEGAL RECEIPT \*\*\*

GMTECH CONSULT LIMITED  
7798  
MOBILE: 255684983333  
TIN: 13892421  
VFN: 40040352Z  
SERIAL NO: 10T2100714  
UIN: 09VFEDWEBAPI-1013175871389242110T2100714  
TAX OFFICE: Tax Office Tugeta

CUSTOMER NAME: CASH  
CUSTOMER ID TYPE: NIL  
CUSTOMER ID: NIL  
CUSTOMER MOBILE: NIL

RECEIPT NO: 66  
Z NUMBER: 42022010  
RECEIPT DATE: 2022-03-08  
RECEIPT TIME: 00:31:16

Purchased Items

Description	Qty	Amount
Uzo 1	2	400,000.00
Uzo 2	1	15,000.00

TOTAL EXCL OF TAX: 347,203.39  
DISCOUNT: 8,000.00  
TAX RATE A (18%): 59,796.61  
TOTAL TAX: 59,796.61  
TOTAL INCL OF TAX: 407,000.00

RECEIPT VERIFICATION CODE  
FC45A266

## C. RECEIPTS HISTORY & SHARING

- Preview Already generated receipts
- This is A specimen Receipt for your reference.

\*\* START OF LEGAL RECEIPT \*\*

GMTECH CONSULT LTD  
77960  
255684983333  
TANZANIA  
MOBILE: 255684983533  
TIN: 13892421  
VFN: 40040352Z  
SERIAL NO: 10T2100714  
UIN: 09VFEDWEBAPI-1013175871389242110T2100714  
TAX-OFFICE : Tax Office Tugeta

CUSTOMER NAME : CASH  
CUSTOMER ID TYPE : NIL  
CUSTOMER ID : NIL  
CUSTOMER MOBILE : n/a

RECEIPT NO : 66  
Z NUMBER : 420220310  
RECEIPT DATE : 2022-03-08  
RECEIPT TIME : 00:31:16

Description	Qty	Amount
Uzo 1	2	400,000.00 A
Discount		8,000.00
Uzo 2	1	15,000.00 B

TOTAL EXCL OF TAX: 347,203.39  
DISCOUNT : 8,000.00  
TAX A - 18% : 59,796.61  
TAX B - 0% : 0.00  
TOTAL TAX : 59,796.61  
TOTAL INCL OF TAX : 407,000.00

RECEIPT VERIFICATION CODE  
FC46A266

\*\*\* END OF LEGAL RECEIPT \*\*\*

- Print Out through connected Printer in the same network
  - Thermal Printers
  - Normal Printer etc.



- Share Generated Receipt with customer via
  - **Email in PDF format**
  - **WhatsApp in IMG Format**
  - **Normal Text Message (SMS)**



## D. Z-REPORTS MODULE

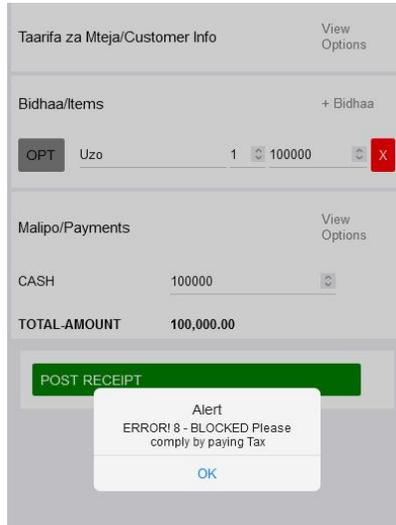
- Preview Already generated **Z-Reports**
- Print Out through connected Printer in the same network
  - **Thermal Printers**
  - **Normal Printer etc.**

### Sample Z-Reports Successfully Sent List

GMT	<b>FC46A267</b>	2022-03-10	16:52:41	1GAPDW3HSCJ8RDXX	13,728.81	232,500.00	Success	20220310				
GMT	<b>FC46A268</b>	2022-03-10	19:41:30	65C68PXIHNAJXQSB	2,288.14	15,000.00	Success	20220310				
GMT	<b>FC46A269</b>	2022-03-10	19:41:53	VBQQMF47DMGLMU6U	76.27	500.00	Success	20220310				
GMT	<b>FC46A270</b>	2022-03-10	19:42:04	3ZIN7N4EAN0FWDH6	1,372.88	9,000.00	Success	20220310				
GMT	<b>FC46A271</b>	2022-03-10	19:43:37	VPDJIN9GWZWE8R5Z	1,449.15	159,500.00	Success	20220310				
GMT	<b>FC46A272</b>	2022-03-10	19:43:51	5RBWUDX6EITJE58A	2,211.86	14,500.00	Success	20220310				
GMT	<b>FC46A273</b>	2022-03-10	19:46:16	UU8RMM3NONW186GB	2,135.59	14,000.00	Success	20220310				
GMT	<b>FC46A274</b>	2022-03-10	19:46:56	Q5PK030NCASF3W1	15,254.24	100,000.00	Success	20220310				
GMT	<b>FC46A275</b>	2022-03-10	19:47:59	NE7RARNKU57ZNQ9C	1,525.42	10,000.00	Success	20220310				
GMT	<b>FC46A276</b>	2022-03-10	19:48:15	HP9QCEH9AXSHMFZZ	762.71	5,000.00	Success	20220310				
GMT	<b>FC46A277</b>	2022-03-10	19:48:34	BCVX3MX3E3U3QK75	915.25	6,000.00	Success	20220310				
GMT	<b>FC46A21</b>	2022-02-15	06:31:19	15022022.HNSZLJ3042	1,372.88	9,000.00	Success	20220215				
GMT	<b>FC46A22</b>	2022-03-02	04:45:35	FREE02032022.TQTHPU4283	915.25	6,000.00	Success	20220302				

- **Z-Reports** will be automatically sent to **TRA EFDMS** Servers.
- Taxpayer will have an overview of all successfully sent **Z-Reports** from **VFD-Plus System**.

## E. HELP DESK / NOTIFICATIONS



- When **VFDPlus System** Detects unsuspecting activity / unlawful
- Devices will be **BLOCKED**.
- No VFD Receipt will be Issued at the moment.

### SERIAL-INFORMATIONS

SERIAL NO	10TZ100714
REGISTRATION-ID	TZ0100554943
UIN	09VFDWEBAPI-10131758713892242110TZ100714
TIN	138922421
VRN	40040352Z
COMMAND-CODE	8 - BLOCKED
( Message From TRA ) Please comply by paying Tax COMMAND-MSG	

- From the **VFDPlus System**, Taxpayer will be notified by Message From TRA.
- For further details should visit near **TRA Office**.

- The device will then be activated after resolving the matter between TRA and the designated Taxpayer.
- As well, The **VFDPlus System** will send another command to Taxpayer Device to notify , if the matter is resolved and the Device is **ACTIVATED**.
- Taxpayer will proceed on **VFD Receipts** issuing.

### SERIAL-INFORMATIONS

SERIAL NO	10TZ100714
REGISTRATION-ID	TZ0100554943
UIN	09VFDWEBAPI-10131758713892242110TZ100714
TIN	138922421
VRN	40040352Z
COMMAND-CODE	7 - ACTIVATED
( Message From TRA ) ACTIVATED COMMAND-MSG	

\*\*\*\*THANK YOU\*\*\*\*