



Phidélity Features for DevelopTT

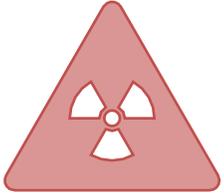
# IMPORTANT NOTE



The following slides are meant for internal use.

Please note that these samples provided are just for illustration purposed only. Thus some of the data used as part of the security features may not be specific to content shown in document.

# POTENTIAL THREATS TO DOCUMENTS



THREAT	DESCRIPTION	IMPACT/RESULT
<b>Counterfeiting</b>	Unauthorized reproduction of a valid document.	Multiple similar documents containing identical data, both appearing authentic to the untrained eye.
<b>Tampering</b>	Unauthorized modification of a previously valid document, e.g. to change an amount printed on the document.	An inauthentic document containing invalid data.
<b>Imitation</b>	Unauthorized creation of a document that looks like an authentic certificate/permits, possibly containing arbitrary data. Typically done via tools such as Photoshop.	An inauthentic document that may contain arbitrary or valid data.

# SECURITY FEATURES



**FIRE SERVICE HEADQUARTERS**  
PO Box 669, Wrightson Road, Port of Spain, Trinidad  
Phone: (868) 625-6271  
Website: www.tffireservice.gov.tt

**FINAL APPROVAL CERTIFICATE**

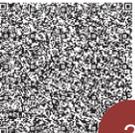
**APPLICATION NUMBER** : PPR2019122007162  
**APPLICANT NAME** : Rangappa vantagodi  
**SITE LOCATION** : 787878 87878 8787 Chacachacare  
**TYPE OF DEVELOPMENT** : New Buildings  
**APPROVAL DATE** : December 20, 2019

This is to certify that the above named development was inspected by personnel of the **Water and Essential Services Section**. All fire hydrants installed have met the requirements, as stipulated in the Water Reticulation Plan, approved by the Fire Service. It was found that the installed fire hydrants are presently connected to an existing water main and Flow testing on the hydrant was carried out as the installation of a distribution main by the Water and Sewage Authority (WASA) has been installed.

Preliminary Approval Date: December 20, 2019  
Inspection Date: December 20, 2019

**Final Approval** is hereby granted to the above mentioned development

Respectfully,  
.....  
Chief Fire Officer



**SAMPLE**

## 1. WATERMARK

- Single layer Copy-fragile Optical Watermark for softcopies (e.g. PDF documents).
- Customized with “Government of the Republic of Trinidad and Tobago” text.
- Used to prevent misuse and unwanted alterations of document. May defer or deteriorate when photocopied.
- If watermark is suspected to be inconclusive, it is recommended to verify SecureCODE to detect document tampering.

## 2. SECURECODE

- SecureCODE contains encoded and digitally signed document data.
- Data is signed using industry standard algorithm ensuring it is protected eliminating unauthorised modification and forging of document contents.
- Uses PKI to protect keys
- Can be verified using Mobile App - available for iOS and Android platforms

# VERIFICATION STEPS

## 1. DOWNLOAD MOBILE APP

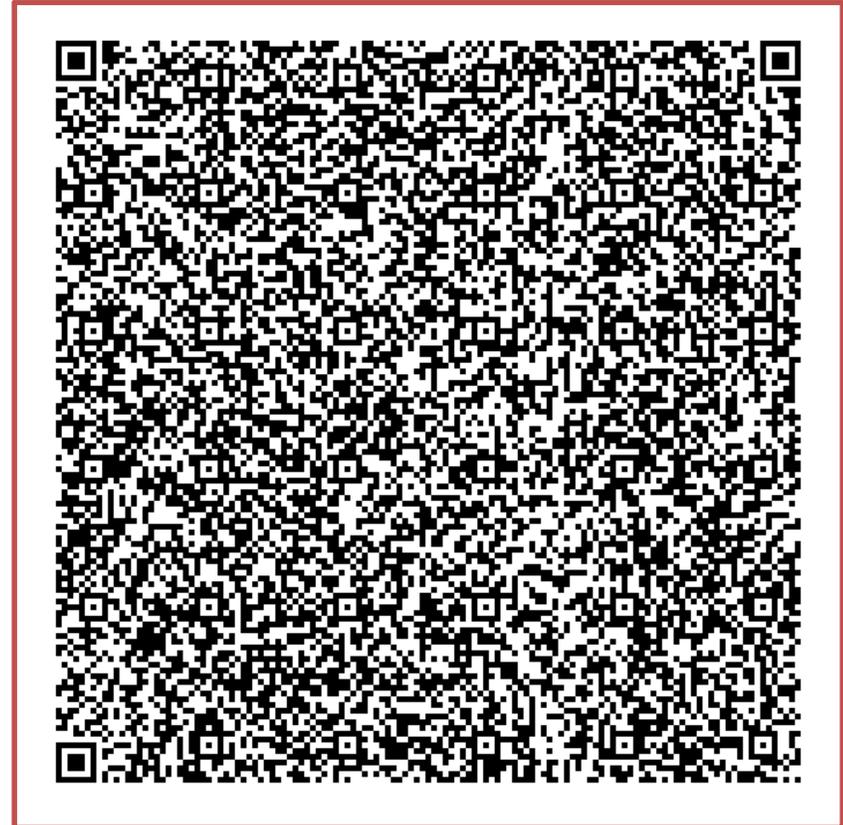
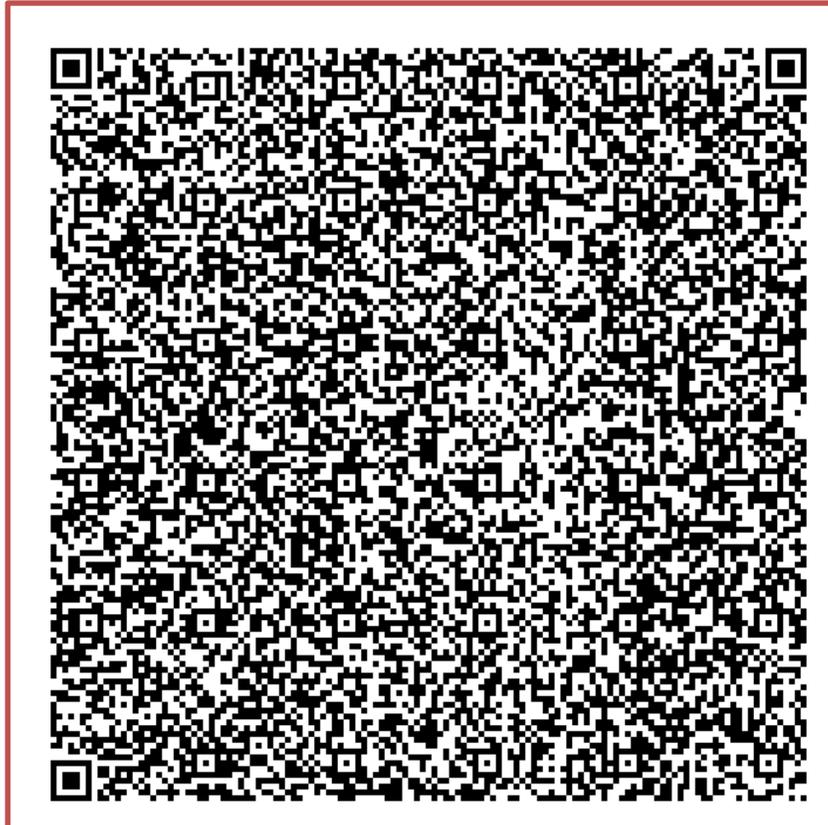
- Download Phidélity SecureCODE Verifier (freely available generic version) from respective stores by scanning below barcodes



# VERIFICATION STEPS...

## 2. ADD VERIFICATION KEYS TO APP

- Run the "Phidelity SecureCODE Verifier" app and scan the barcode provided below to add the key. This will add UAT and Production key to the app.



# VERIFICATION

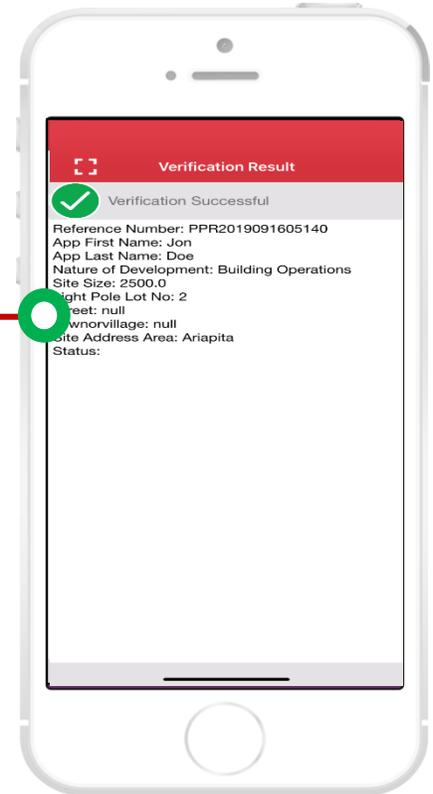
## 3. SCAN THE DOCUMENT (PRINTOUT)

- Scan the document to decode protected information and compare the results.



*SecureCODE Verification using  
"Phidélity SecureCODE Verifier"  
Mobile application available in  
iOS & Android Stores*

*"Phidélity SecureCODE Verifier"  
can be customized for  
branding. For e.g. App  
customized with Department  
Logo, colours etc.*



# VCREDITS - TOPUP

This option is only if you have scanned more than 100 times using this app.

## Step 1

Tap on vCredits.



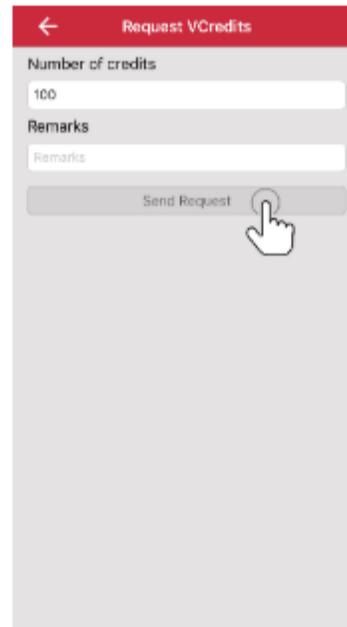
## Step 2

Choose Request VCredits.



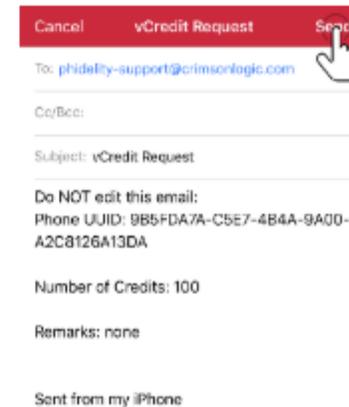
## Step 3

Send Request.



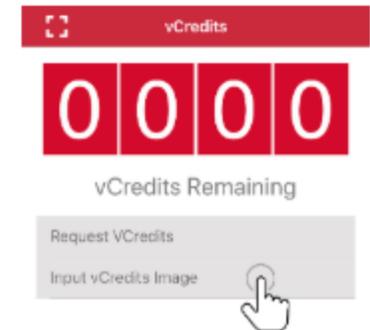
## Step 4

Click Send. Ensure email has been sent in your Sent Mail folder. We will respond with a vCredits QR code via email.



## Step 5

Save the QR Code and repeat Step 1 and then tap on Input vCredits Image. Alternatively, scan the QR code.



# THREATS AND COUNTERMEASURES - SUMMARY

THREAT	COUNTERMEASURE – PHIDELITY FEATURES
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Counterfeiting	Optical Watermark
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Tampering	SecureCODE
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Imitation	SecureCODE
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THANK YOU