

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF FINANCE

BUREAU OF THE TREASURY



NROSS UPDATES

15 September 2017

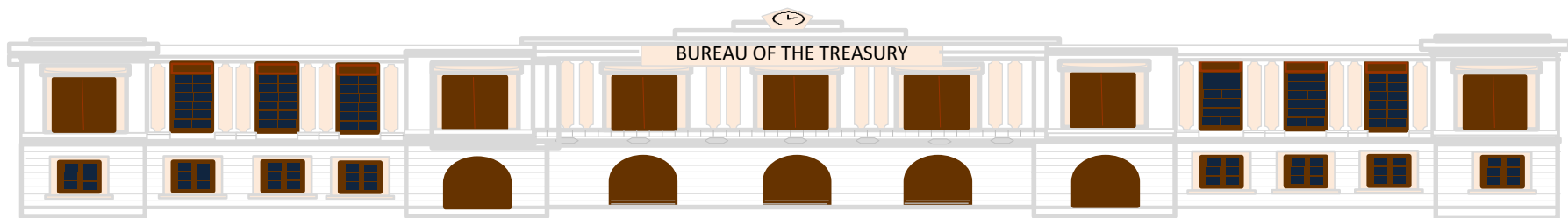


OPENING REMARKS

DTOP Erwin D. Sta. Ana
15 September 2017

Agenda

- nRoSS Overview
- Updates and Secondary Market Testing
- Indicative Timeline
- IT requirements
 - Connectivity
 - Token Management
- Business Requirements
- Data Migration
- nRoSS Helpdesk
- Q & A





NROSS OVERVIEW

Nanette C. Diaz
Director, LMS
15 September 2017

Core Operations

Primary Market Operations

**Auction Results
Processing &
Awarding**

**DvP Settlement
of Auction
Results**

Secondary Market Operations

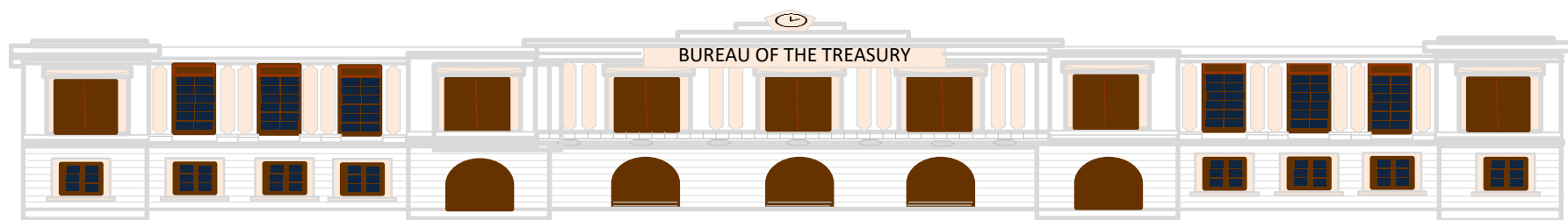
**Delivery versus
Payment & Free
of Payment**

**Pledge and
other non-trade
transactions**

Payment Events & Corporate Actions

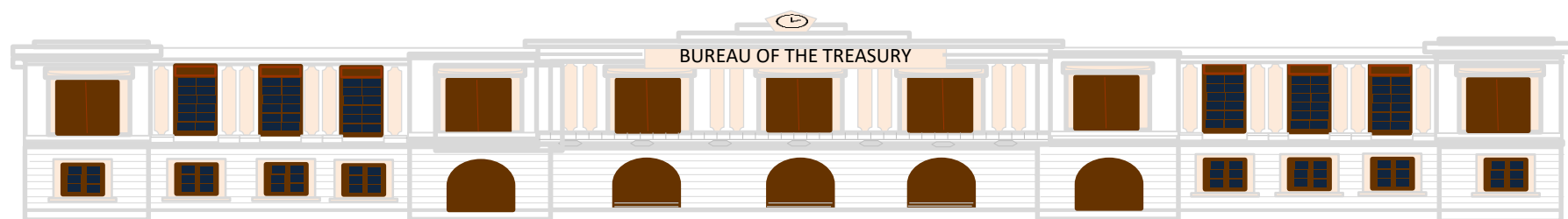
**Payment of
Interest**

**Total, Early or
Optional
Redemptions**



Changes| Auction Operations

Business Process	Existing	New
1. Auction Access	Using ADAPS via Reuters terminal	Web-based nRoSS browser using VPN
2. Security	Login authentication	Login authentication with security token
3. Auction rules and conventions	Current Convention	Generally no change
4. ISO 20022	Non-compliant	Compliant

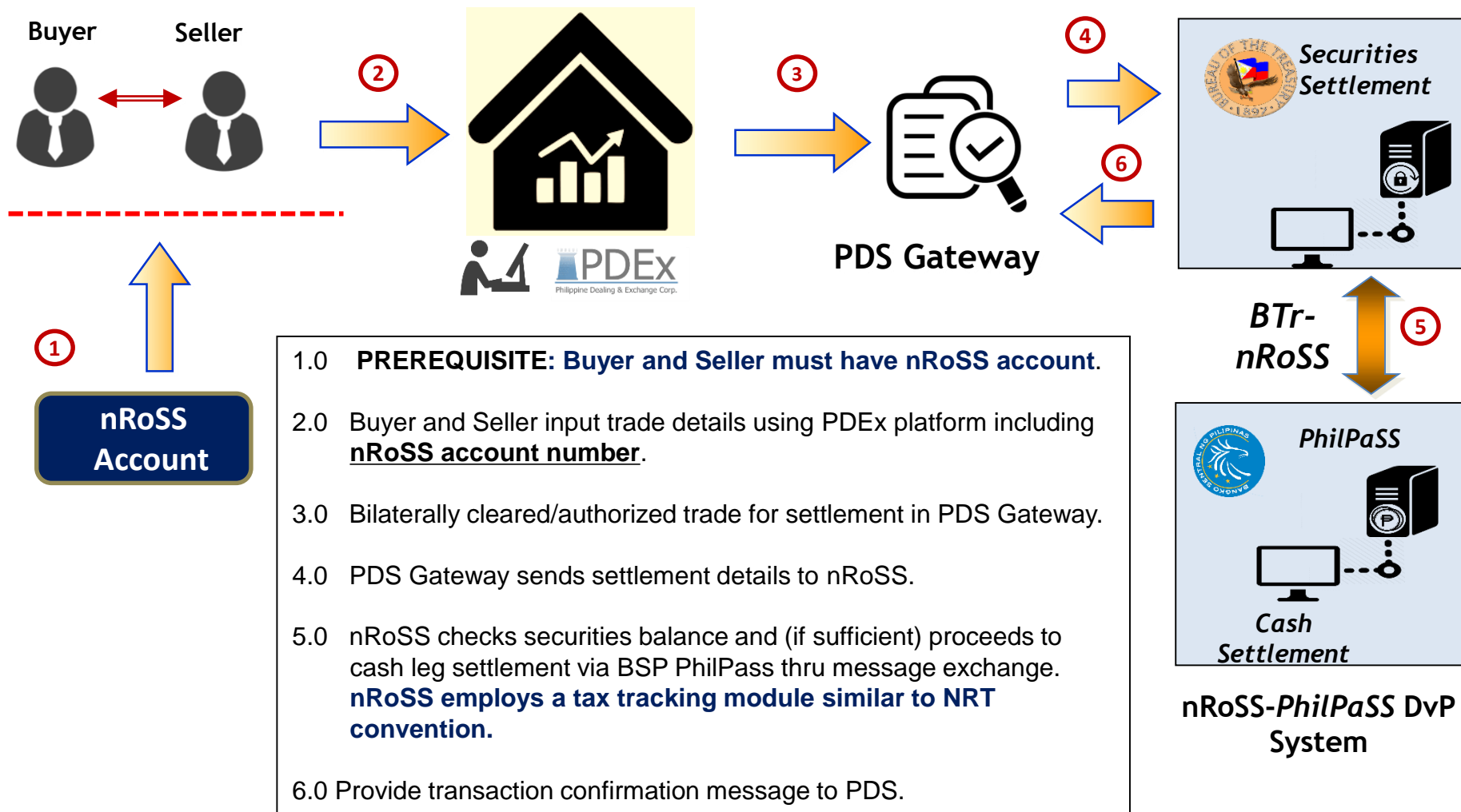


nRoSS Model

TRADE EXECUTION

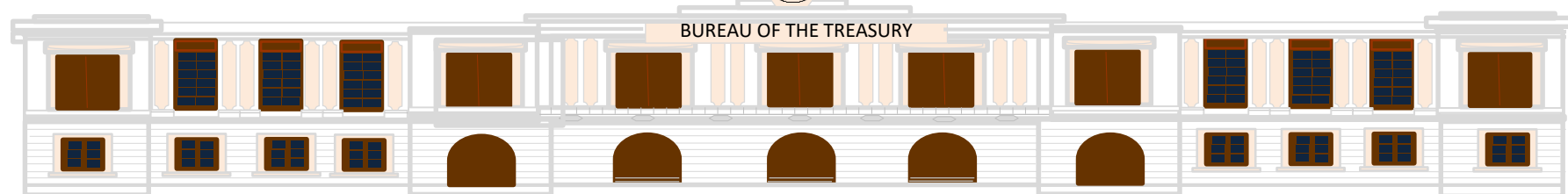
CLEARING

SETTLEMENT



Changes| Secondary Market Operations (QBs and Retail Clients)

Business Process	Existing	New
1. Registry Account Record	1 Registry System with 2 Registry Books (Sub-registry and RoSS)	nRoSS
2. Tax calculation	via PDS Sub-registry	nRoSS tax module
3. Security	Login authentication	Login authentication with security token
4. Account Setup	RoSS Principal Securities Account; SATT(BPID)/PIC	nRoSS account number (to be distributed)
5. Reports	BTr-generated	Participant-generated
6. Portfolio access	Not available	On-line query facility
7. Payment event	Requires manual process	Automated
8. Settlement	DvP done via RoSS-Philpass or through PDS DvP facility	DvP done via nRoSS-Philpass





NROSS UPDATES

JA E Dumpit
Project Manager
15 September 2017

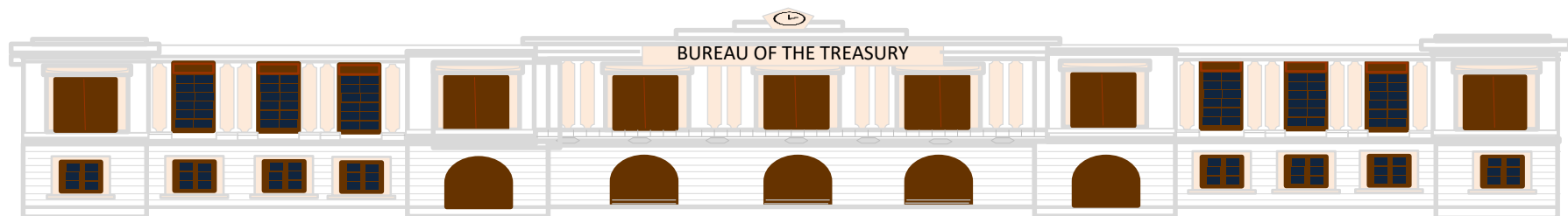
High Level Project Schedule

...	Milestone	Planned Start Date	Actual Start Date	Planned End	Actual End/ Revised
100%	PHASE 1 - Inception Phase	5-Jan-16	25-Jan-16	29-Jan-16	29-Jul-16
100%	Phase 2 - Hardware and Software Procurement, Installation	23-Feb-16	23-Feb-16	17-Jun-16	14-Jul-16
100%	Phase 3A - Software Customization Ver.0	5-May-16	4-Jul-16	21-Oct-16	23-Sep-16
75%	Phase 4A - Implementation Ver.0	3-Oct-16	3-Oct-16	27-Oct-17	

Completed

Indicative Project Timeline| Remaining Activities

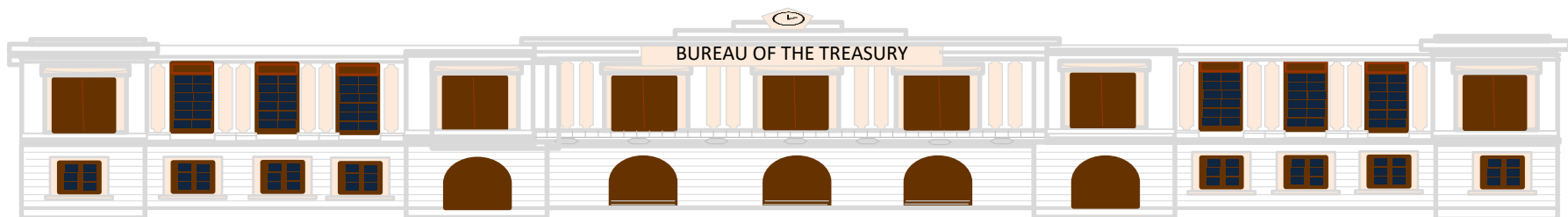
	Activity	Duration	Start Date	End Date
1	Parallel Testing	25 days	9/14/2017	10/19/2017
1.1	Participant nRoSS Update	2 days	9/14/2017	9/15/2017
1.2	Parallel Test Enrolment	6 days	9/15/2017	9/22/2017
1.3	Auction Parallel test	19 days	9/25/2017	10/19/2017
1.4	Secondary Market-wide test	3 days	10/09/2017	10/20/2017
2	Data Migration Dry Run	2 days	10/14/2017	10/15/2017
3	Go Live! Preparation	5 days	10/20/2017	10/26/2017
4	Go Live !	1 day	10/27/2017	10/27/2017



Secondary Market Parallel Run

Market-wide testing for secondary market

- Participants are expected to enter test transactions through the test environment of the trading platform during a specified trading window.
- BTR and PDS to coordinate activity

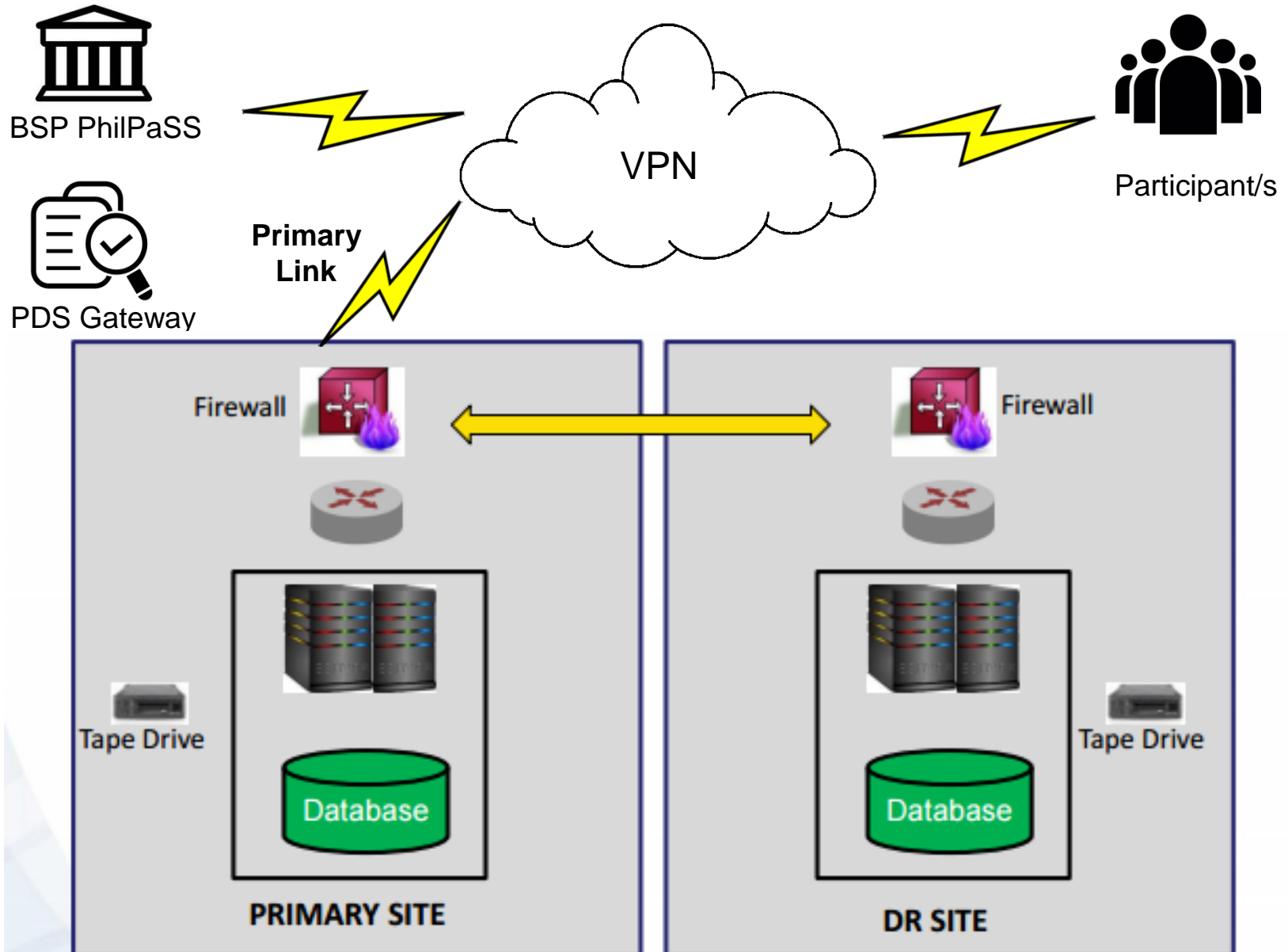




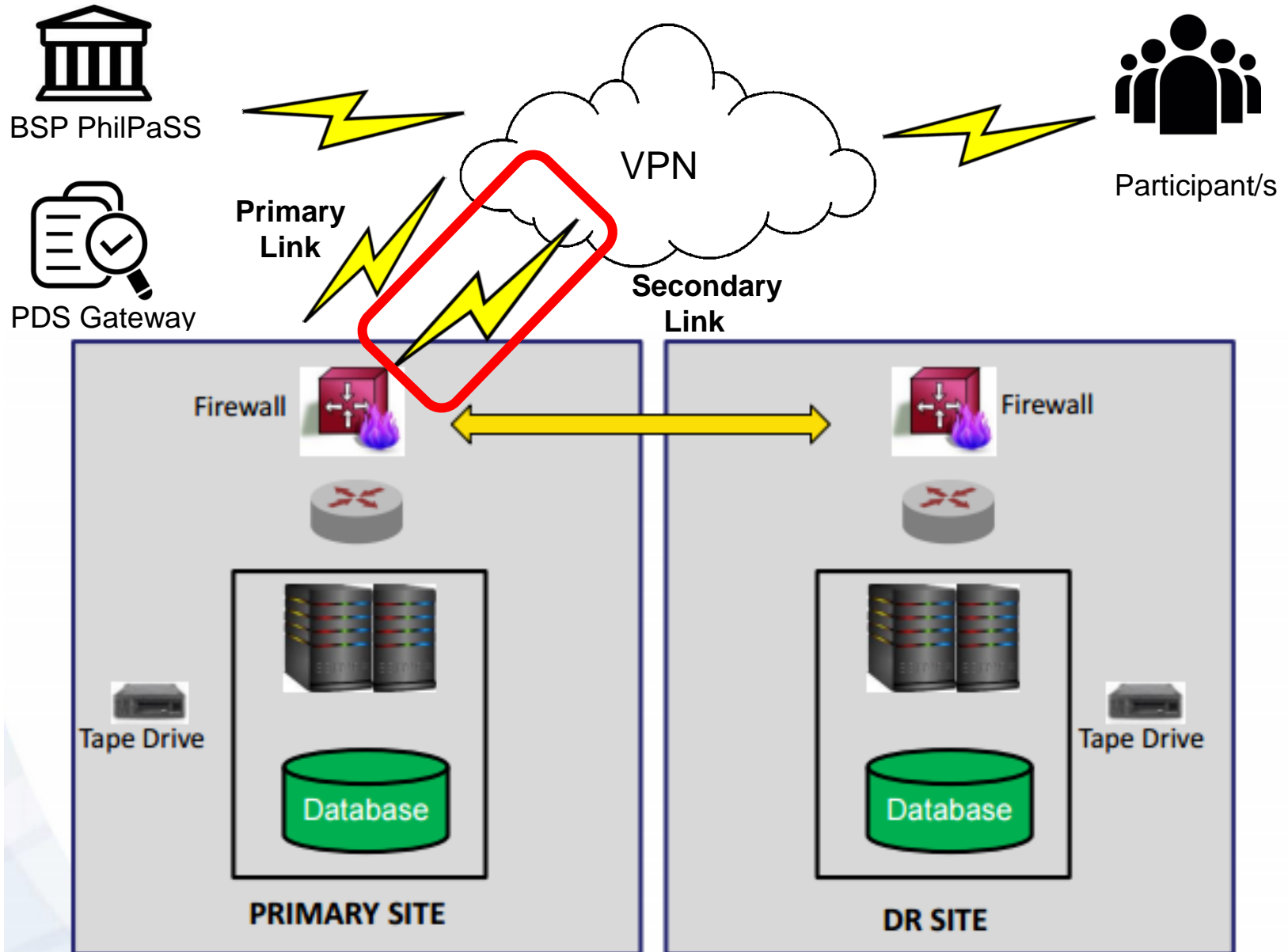
IT REQUIREMENTS

Regilito Tamayo
Director, MISS
15 September 2017

Participant Access – nRoSS Connectivity

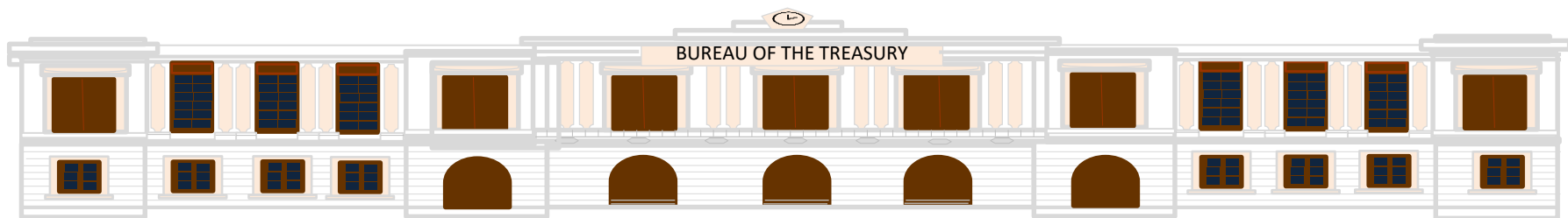


BCP – Secondary Link



Requirements for Participant Access to nRoSS

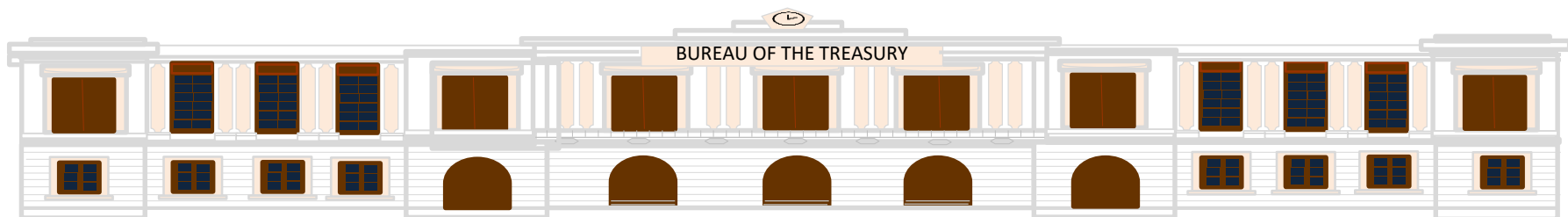
1. Establish internal network routing
2. Allow access to USB ports
3. Install client authentication software to the access device
4. Verify connectivity in respective workstations
5. Establish a secondary link



nRoSS Secondary Link Activation

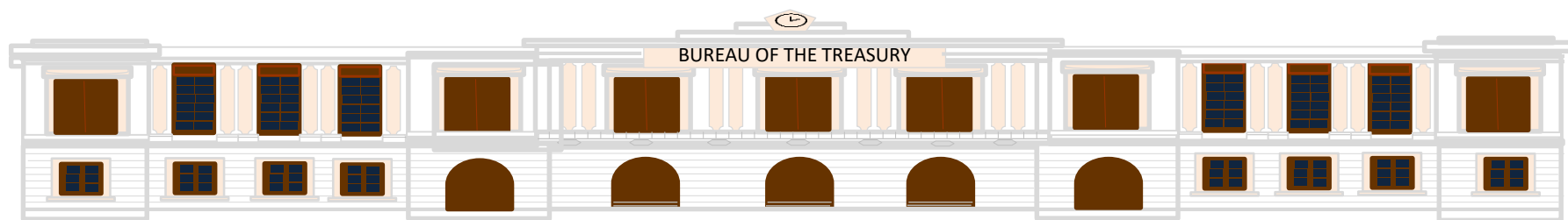
- New VPN form enrolment (Deadline for submission: September 19, 2017)
- BTR-Participant configuration to existing firewall linked to nRoSS
- Schedule link testing

Secondary Link Activation: September 30, 2017



Token management| What is an eToken?

SafeNet eToken 5110 offers two-factor authentication for secure remote and network access, as well as certificate-based support for advanced security applications.



Token management| Use of eToken

- A. The eToken is used in tandem with the issued Username/Password to authenticate Users to nRoSS and to digitally sign certain electronic messages used in the system.
- B. The SafeNet eToken 5110 or eToken for short, contains the digital certificate that will enable an authorized User to access the nRoSS infrastructure and network. The eToken shall be inserted into a designated nRoSS workstation at the Participant's site in order to log in. This eToken must not be inserted into any other device other than the designated nRoSS workstation.
- C. Access to the nRoSS system can only be obtained with the appropriate use of the eToken.
- D. The Systems Administrator of BTr-Management Information Systems Service (MISS) shall execute the configuration of the eToken for every enrolled User.
 - a. The default eToken password for Participant User and Admin will be provided by the BTr-MISS Systems Administrator.
 - b. Participant User and Admin should change the default password upon first login.

Token management| Handling

A. Loss of eToken

- a. Participants must immediately report any case of lost or stolen eToken to the BTr Help Desk. The BTr-MISS Systems Administrator will immediately revoke the certificate authority to prevent unauthorized access to nRoSS.
- b. A new eToken shall be issued upon request by the Participant.

Please note that if the issued eToken is lost or stolen, the Participant will shoulder the replacement cost for the issuance of a new eToken.

B. Damage to the eToken

- a. Participants must report to BTr Help Desk any case of damaged eToken. The Participant must surrender the issued eToken to BTr-MISS office for evaluation.

Token management| Administrative Procedures

a. 1st Issuance of eToken

The Participant User must accomplish the nRoSS User Enrolment Form and submit to BTr for approval

The approved form will be the basis for the creation of an nRoSS User account and issuance of a eToken kit to the Participant User. An eToken kit consists of eToken, digital certificate and eToken passwords

b. Revocation of eToken

An issued digital certificate may be revoked by BTr as found necessary

A Participant can request revocation of a digital certificate to the BTr-MISS Systems Administrator thru the assigned Participant Security Administrator

A revoked digital certificate can no longer be used to access the nRoSS system

Token management| Administrative Procedures

c. Replacement of a Revoked Digital Certificate

For a revoked digital certificate BTr-MISS Systems Administrator will issue a new digital certificate to a Participant User

A Participant can request issuance of a new digital certificate to BTr-MISS Systems Administrator thru their assigned Security Administrator

d. Renewal of a Digital Certificate

A digital certificate is only valid for 12 months from the date of issuance to the Participant User

A Participant must request renewal of their Users' digital certificate one month before its expiration to ensure continuity of access to nRoSS system

A new digital certificate will be issued to the Participant User accordingly



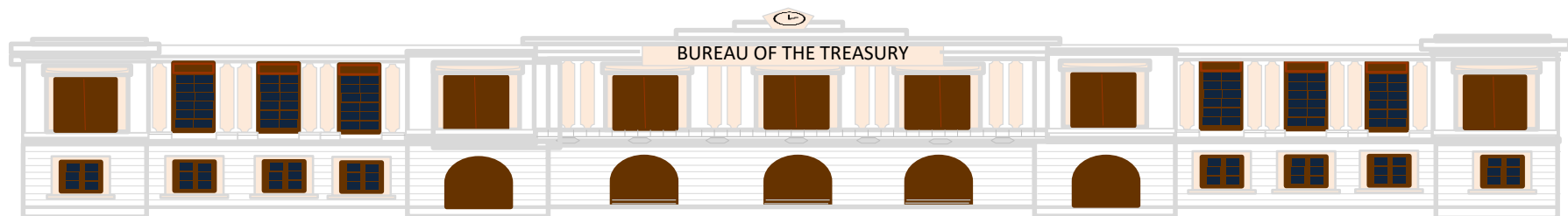
BUSINESS REQUIREMENTS

Aizel Docog
SSRD

15 September 2017

Documentary Requirements

Contents	Deadline of Submission
User Enrolment Form	21 September 2017
Access Rights	21 September 2017
Participation Agreement	Comments submission 03 October 2017
Token Kit (CD Installer, Token , Token and nRoSS username with default password)	19 September –2 nd VPN form submission 06 October –Token Distribution



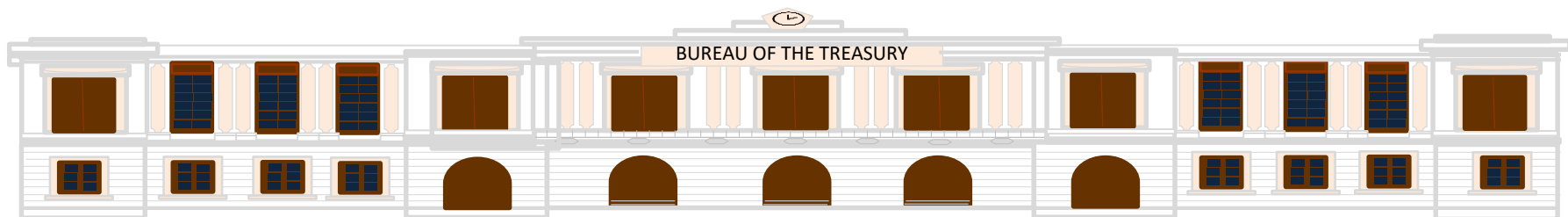
Download these requirements in our website

www.treasury.gov.ph

Click the nRoSS icon.

Email the accomplished form to:

nrosshelpdesk@treasury.gov.ph



User Enrolment Form

1.Name of Participant			
1.1 Registered Office Address			
1.2 Telephone Number			
1.3.Approving Officer			
1.4.Designation			
1.5.Business Contact Person and Designation			
1.6 IT Contact Person and Designation			
2. User Profile			
2.1. Full Name			
2.2. Short Name			
2.3. ID Type and Number			
2.4. Email Address			
2.5.Department			
2.6. Business Address			
2.7 Telephone Number			
2.8. USERNAME (to be provided by <i>BT-SSRD</i>)			
3. Documents Submitted	<input type="checkbox"/> Board Resolution or Corporate Secretary Certificate (new for <i>enrollment</i> to <i>nRoSS</i>)	<input type="checkbox"/> ID of User with specimen signature	<input type="checkbox"/> Specimen Signature of Authorized Signatories authenticated by Corporate Secretary
4. Investor Type (check with the system)		<input type="checkbox"/> GSED <input type="checkbox"/> GSB <input type="checkbox"/> Custodian <input type="checkbox"/> Trust	

User Enrolment Form| Access Rights

PARTICIPANT:	
USER FULL NAME:	
ACCESS RIGHTS	
<input type="checkbox"/> ACCOUNT CREATION – involves creating the client account details under Client Registration and if client registered is to be a sponsored account then tick the necessary operations to be performed by the User to create a Sponsored Account	<input type="checkbox"/> Client Registration <input type="checkbox"/> List (e.g. list /view the accounts created) <input type="checkbox"/> Create <input type="checkbox"/> Bulk Upload <input type="checkbox"/> Bulk Approve <input type="checkbox"/> Approve <input type="checkbox"/> Sponsored Account <input type="checkbox"/> List <input type="checkbox"/> Create <input type="checkbox"/> Approve

Change Request Form

<i>Requesting Participant</i>	
<i>Business Address</i>	
<i>Telephone Number</i>	<i>Contact Person</i>
<i>Investor Type:</i>	

We would like to request changes in existing access and authentication rights:

<i>Name of User:</i>
<i>USERNAME :</i>
<i>User ID</i>
<i>Email Address:</i>

TYPE OF REQUEST		
A. AUTHENTICATION		
1. Password	<input type="checkbox"/> Reset	<input type="checkbox"/> Lock-out
2. CA	<input type="checkbox"/> Issue	<input type="checkbox"/> Revoke
3. Token	<input type="checkbox"/> Replace	

B. Access Rights/User Profile	<input type="checkbox"/> Suspend	<input type="checkbox"/> Terminate
C. Amend Individual User Profile- <u>Annex B.1.</u> Account Creation Securities Creation Auction Reports (Operation) Reports(Payments) Billing	<input type="checkbox"/> Addition	<input type="checkbox"/> Deletion

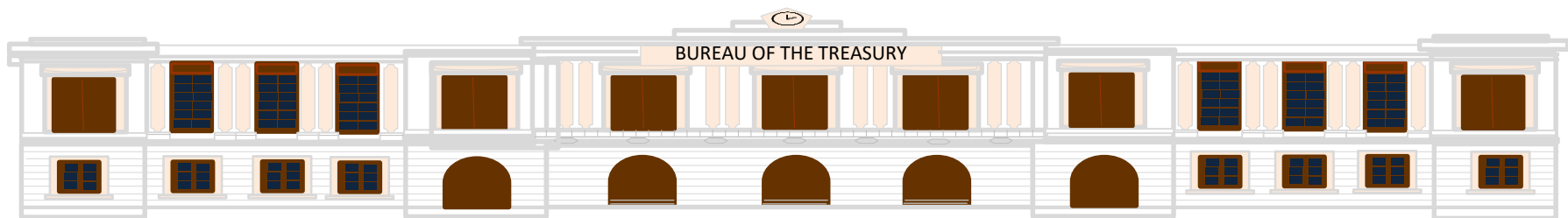


DATA MIGRATION

Lady Laput
Project Manager, Data Migration
15 September 2017

Outline

- Object Structure
- Data Migration Process Model
- Account transition process



Object Structure Comparison

RoSS

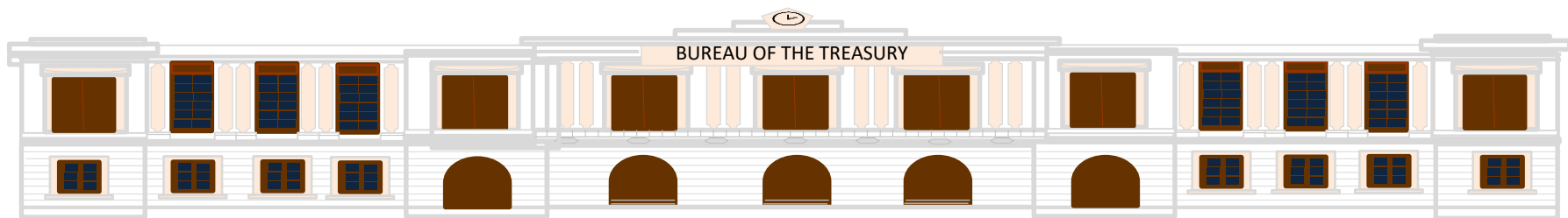
Accounts

nRoSS

Participant

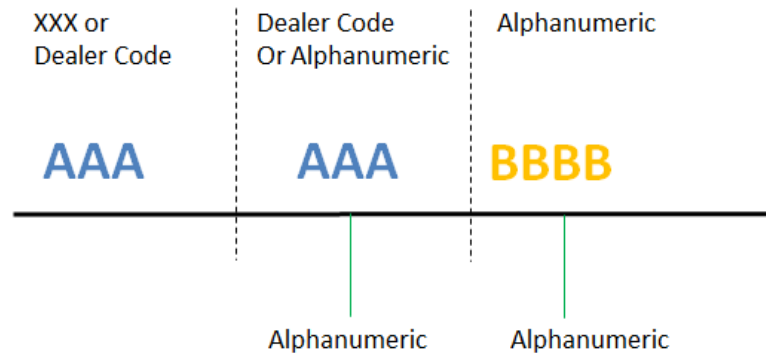
Accounts

Clients

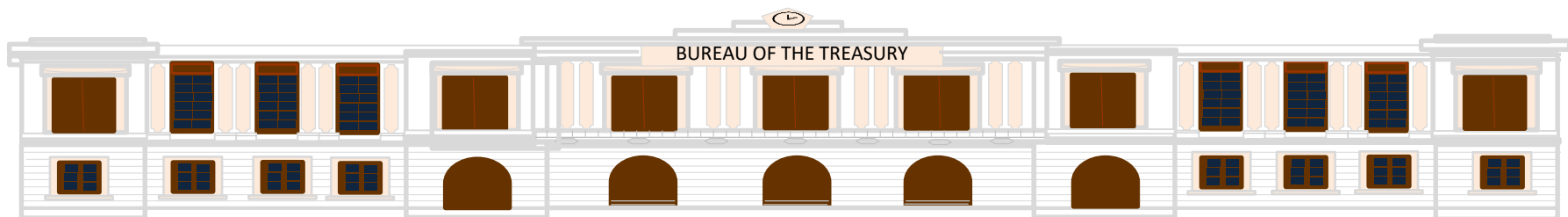
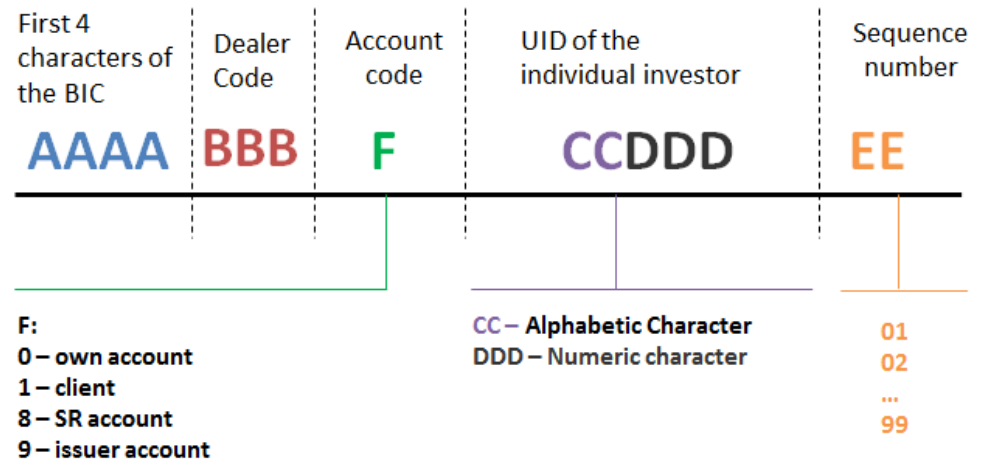


Object Structure Comparison

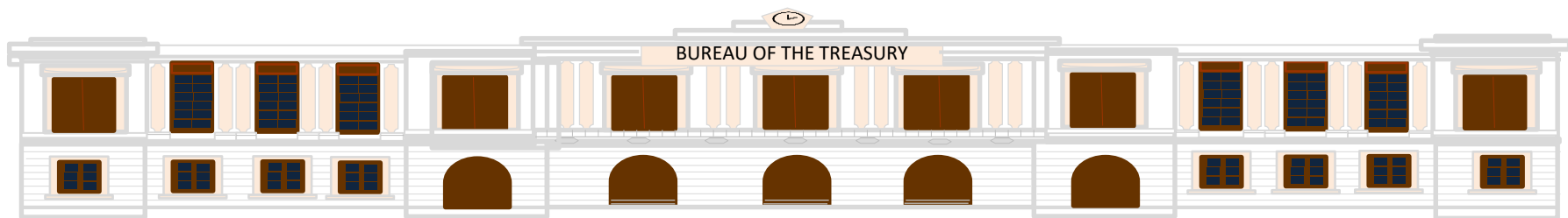
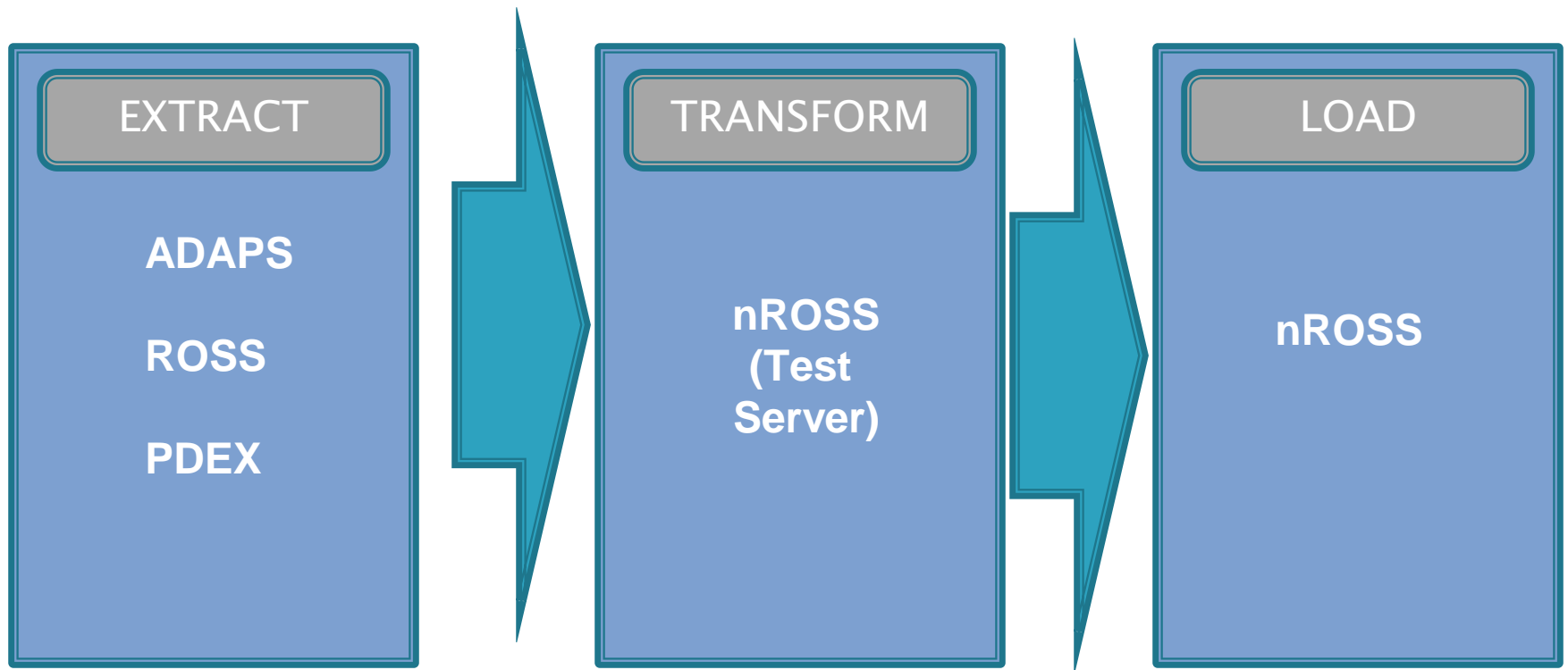
RoSS



nRoSS



Data Migration Process Model



Data Migration Process Model

BTr systems

ROSS Data

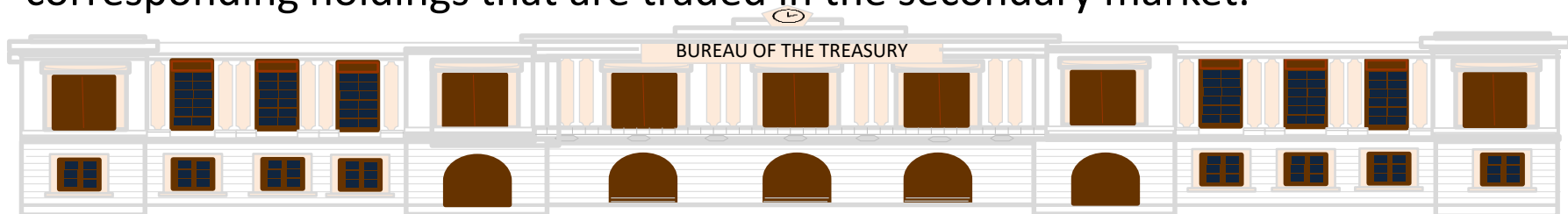
The ROSS primarily contains the investors masterfile and their corresponding holdings. It also has the Securities masterfile which contain the ISINs, the face value and the term. These three(3) files were identified as the core source of data for the nROSS.

ADAPS

ADAPS is the primary tool that drives the Auction process. An auction is set and the offering is identified by its ISIN. Auction and bidding data is extracted from ADAPS and is stored for analytics processing and ultimately used as input to the DMFAS.

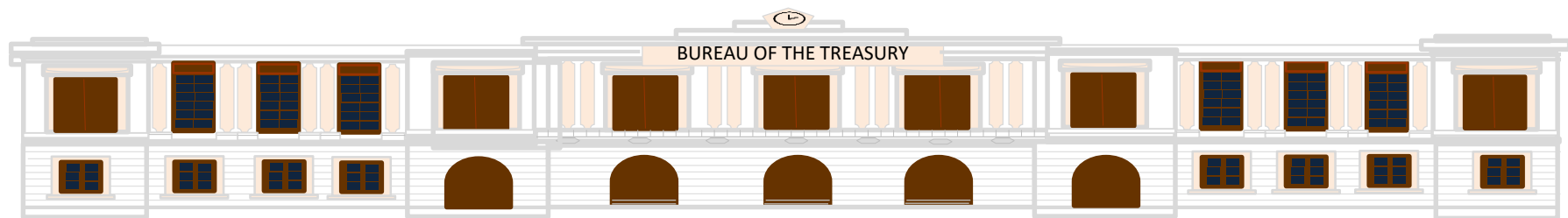
PDEX

The PDEX subregistry contains the investor masterfile and their corresponding holdings that are traded in the secondary market.



Data Source Stakeholders

Process	Stakeholder	Role
EXTRACT	BTr ADAPS – Reuters	Data source
	BTr ROSS – FIST	Data source
	Subregistry – PDTC	Data source
TRANSFORM	BTr ADAPS – Reuters	SME
	BTr ROSS – FIST	SME
	Subregistry – PDTC	SME
LOAD	BTr ADAPS – Reuters	Data source
	BTr ROSS – FIST	Data source
	Subregistry – PDTC	Data source



Post Migration Types of Account per Participant

Participant Accounts

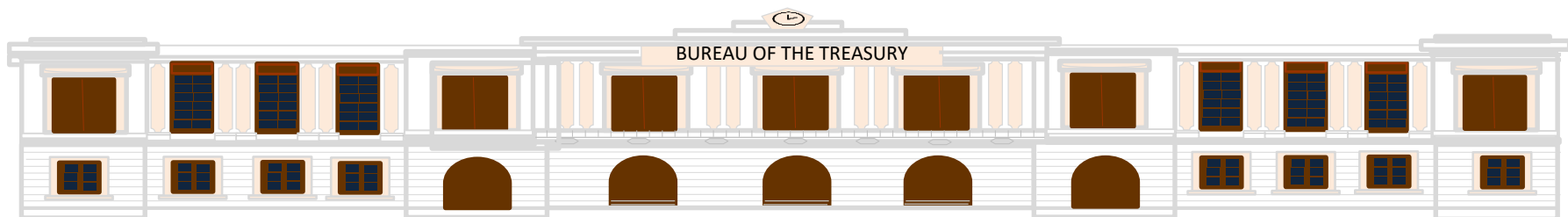
Own – own account from RoSS; 8 characters; 8th character = 0

Client – own account from PDEx; 8 characters; 8th character = 1

Client Accounts

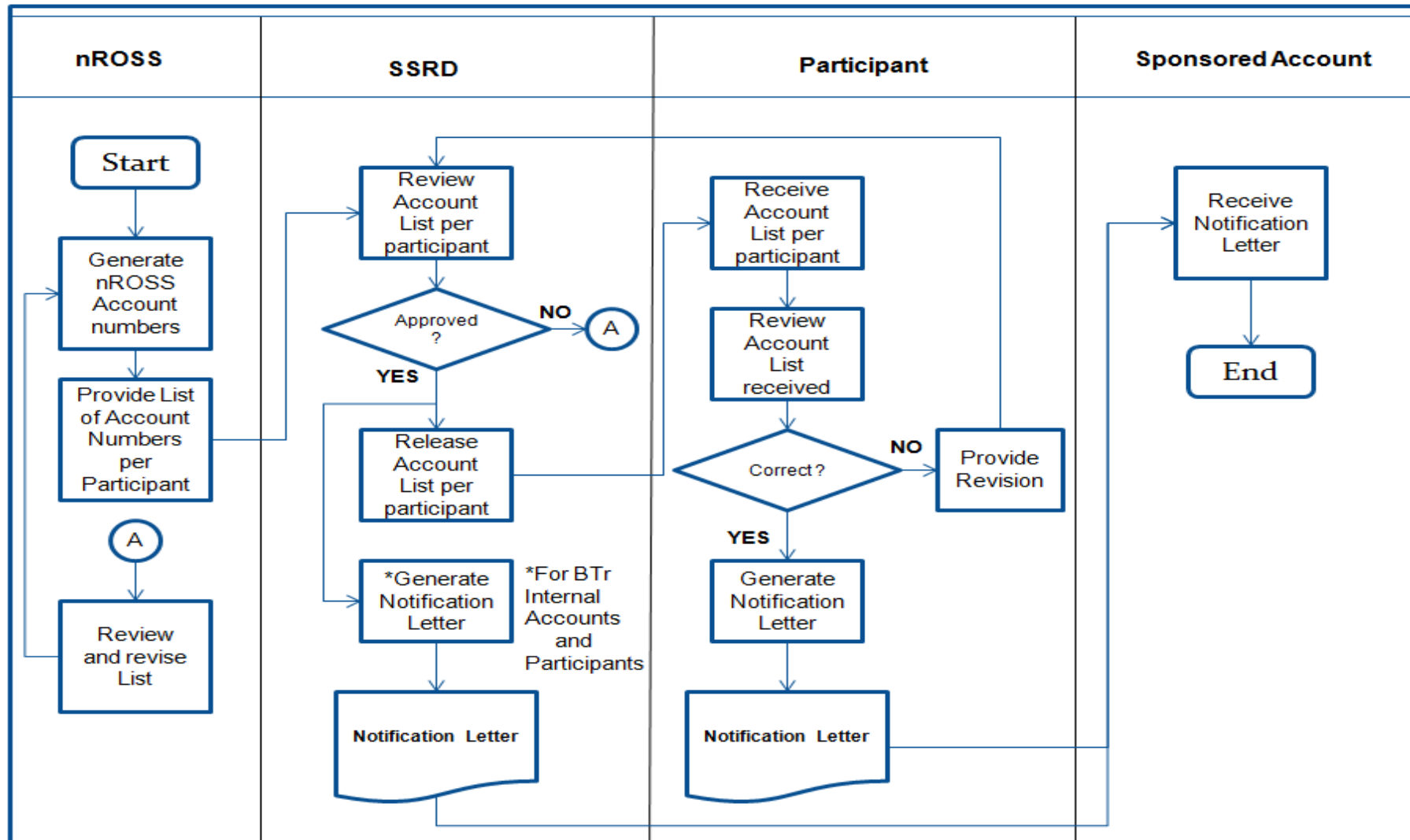
Client – sponsored accounts from RoSS; 15 characters; 8th character = 1

Client - sponsored accounts from PDEx; 15 characters; 8th character = 8



Account Transition Process

***Participants to print and send Notification Letter to sponsored accounts



Participant Post Migration Verification Process

(Testing and Actual)

1

- BTr to provide the Statements of Account from RoSS

2

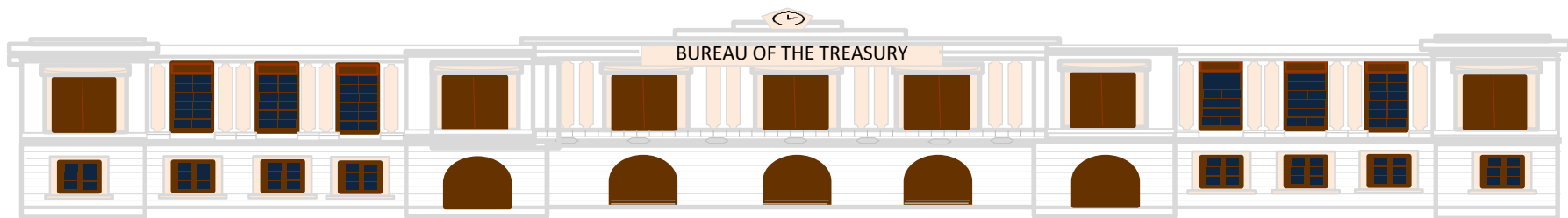
- BTr to provide Monthly Balances Report from SR

3

- Participants to generate the Portfolio Report from nRoSS

4

- Participants to compare the RoSS and SR reports versus nRoSS



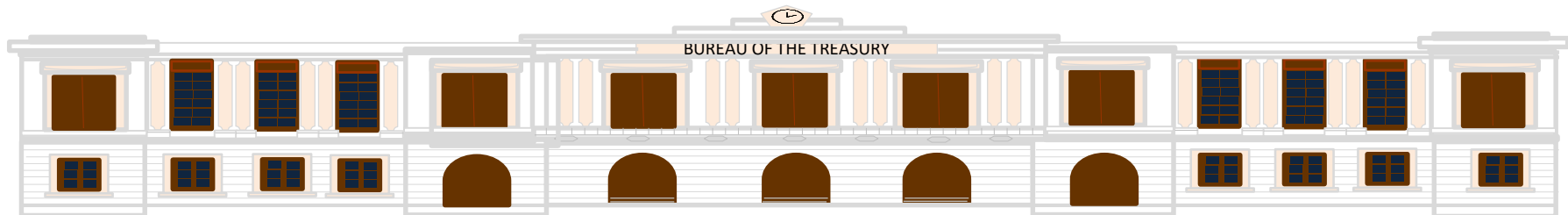


HELPDESK

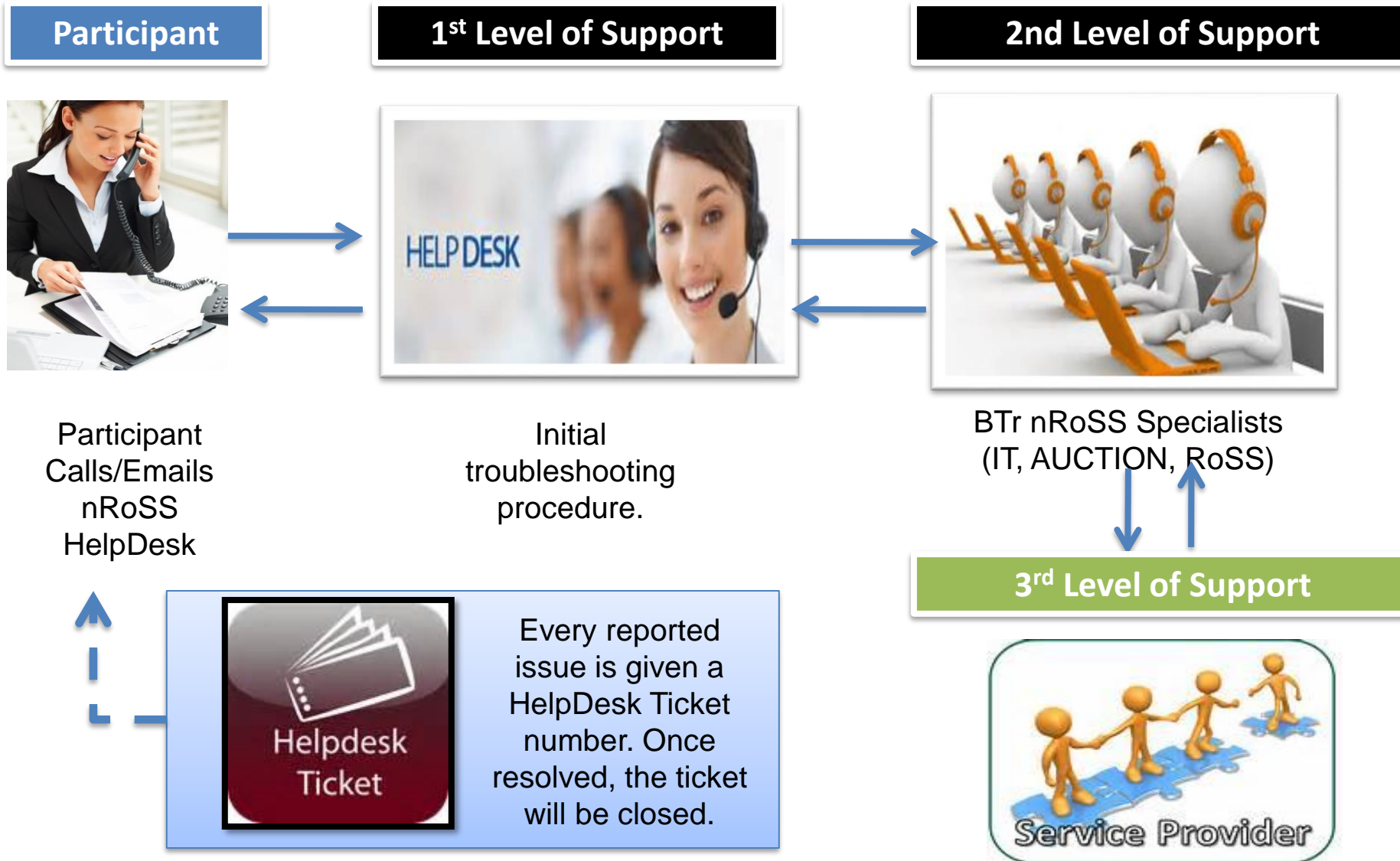
Rojalde Zacarias
15 September 2017

Helpdesk Contacts

Item	Details
Email Address	nrosshelpdesk@treasury.gov.ph
Telephone Number	663-2871
Availability	8AM-5PM (Business Days)



Helpdesk Procedure



Email Reporting

For concerns/issues reported to nRoSS HelpDesk via the Email Address, please ensure to include the following:



- 1. Participant Entity Name**
- 2. nRoSS Username used to access nRoSS**
 - a. Full Name of the Participant/Username
 - b. Role of the Username – ex: Dealer, Broker, Custodian, Trust, Depository, Regulator, SGA
- 3. Complete Details of the Issue/Concern** (sample questions like)
 - a. What were you trying to do?
 - b. Which screen/module were you trying to access?
- 4. If available, please indicate the “Error Message” displayed by the system**
- 5. It is always preferable to include “screenshots” of the issue/concern for faster investigation and resolution**

Sample Email

Email Subject: nRoSS UAT Issue: Cannot bid

To: nrosshelpdesk@treasury.gov.ph

Dear, nRoSS HelpDesk.

Good day.

This is to request assistance of the following nRoSS concern/issue.

Details as follows:

1. Participant Name: BPI
2. nRoSS Username used to access nRoSS: juandelacruz@bpi.com
 - a. Juan Dela Cruz
 - b. Role: Dealer
3. Concern/Issue:
 - a. Cannot bid in auction 3DAY TBILLS
 - b. Module: Competitive auction
4. Error Message encountered : “Error 123: Cannot bid”
5. Please see attached screenshots of the error encountered



Call Reporting

For concerns/issues reported to nRoSS HelpDesk via the Telephone number, please ensure to include the following:

- 1. Participant Entity Name**
- 2. nRoSS Username used to access nRoSS**
 - a. Full Name of the Participant/Username
 - b. Role of the Username – ex: Dealer, Broker, Custodian, Trust, Depository, Regulator, SGA
- 3. Complete Details of the Issue/Concern** (sample questions like)
 - a. What were you trying to do?
 - b. Which screen/module were you trying to access?
- 4. If available, please indicate the “Error Message” displayed by the system**

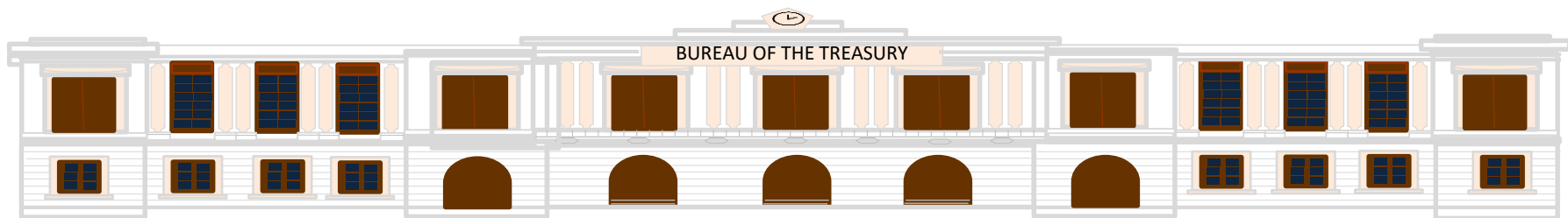


Important!

Please report any testing issue/concern
you encounter

THE SOONEST

(preferably **as and when it happens** so
we can investigate and resolve
accordingly)





QUESTION AND ANSWER

15 September 2017

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF FINANCE

BUREAU OF THE TREASURY



END OF SLIDE

Thank you.