

Ghana National Single Window Media Trade Facilitation Workshop

“Achieving the National Single Window Vision”

ICT architecture moving from Point to Point to Single Submission

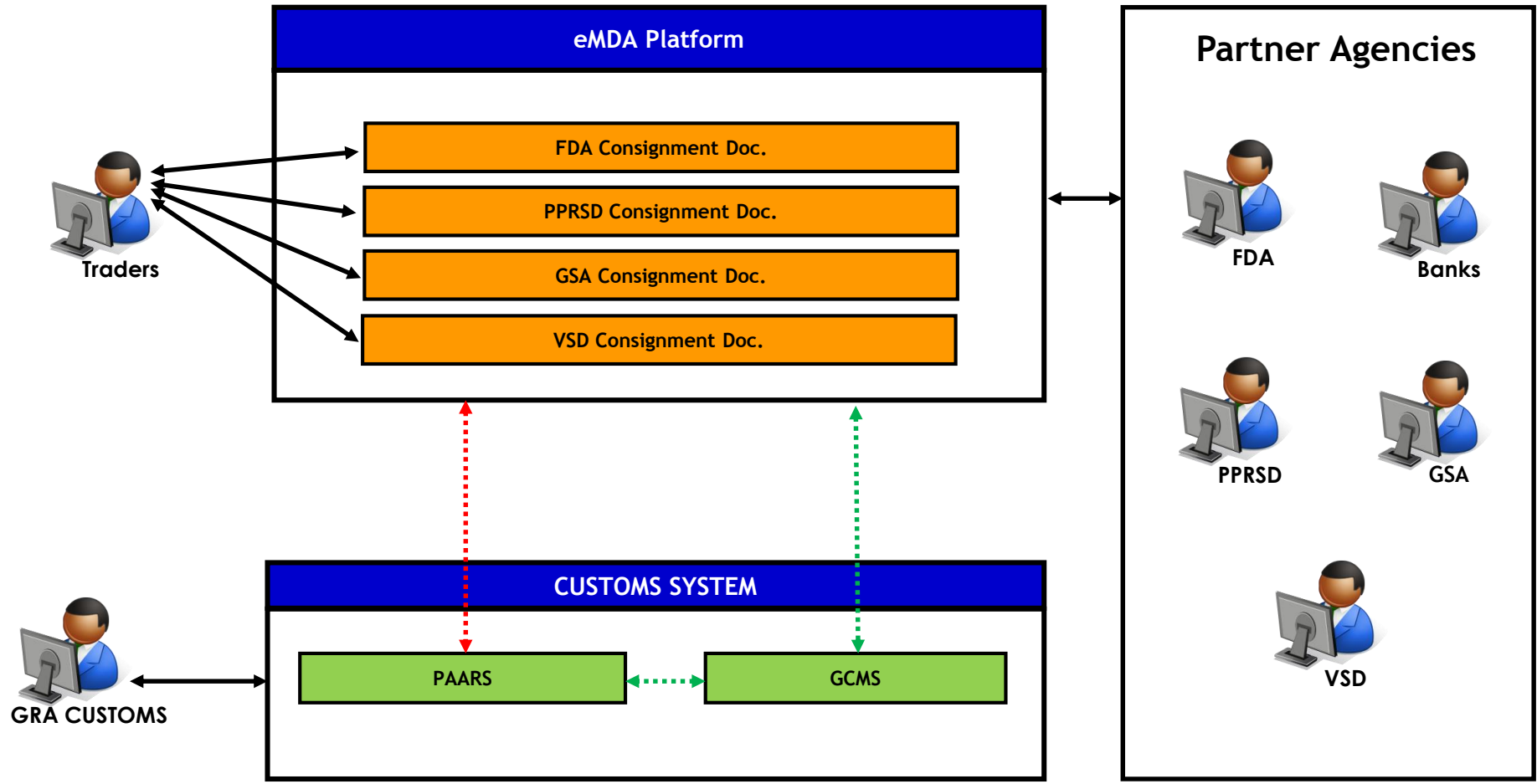
AMINU UTHMAN O.

04th March 2016

La Palm Royal Beach Hotel, Accra, Ghana



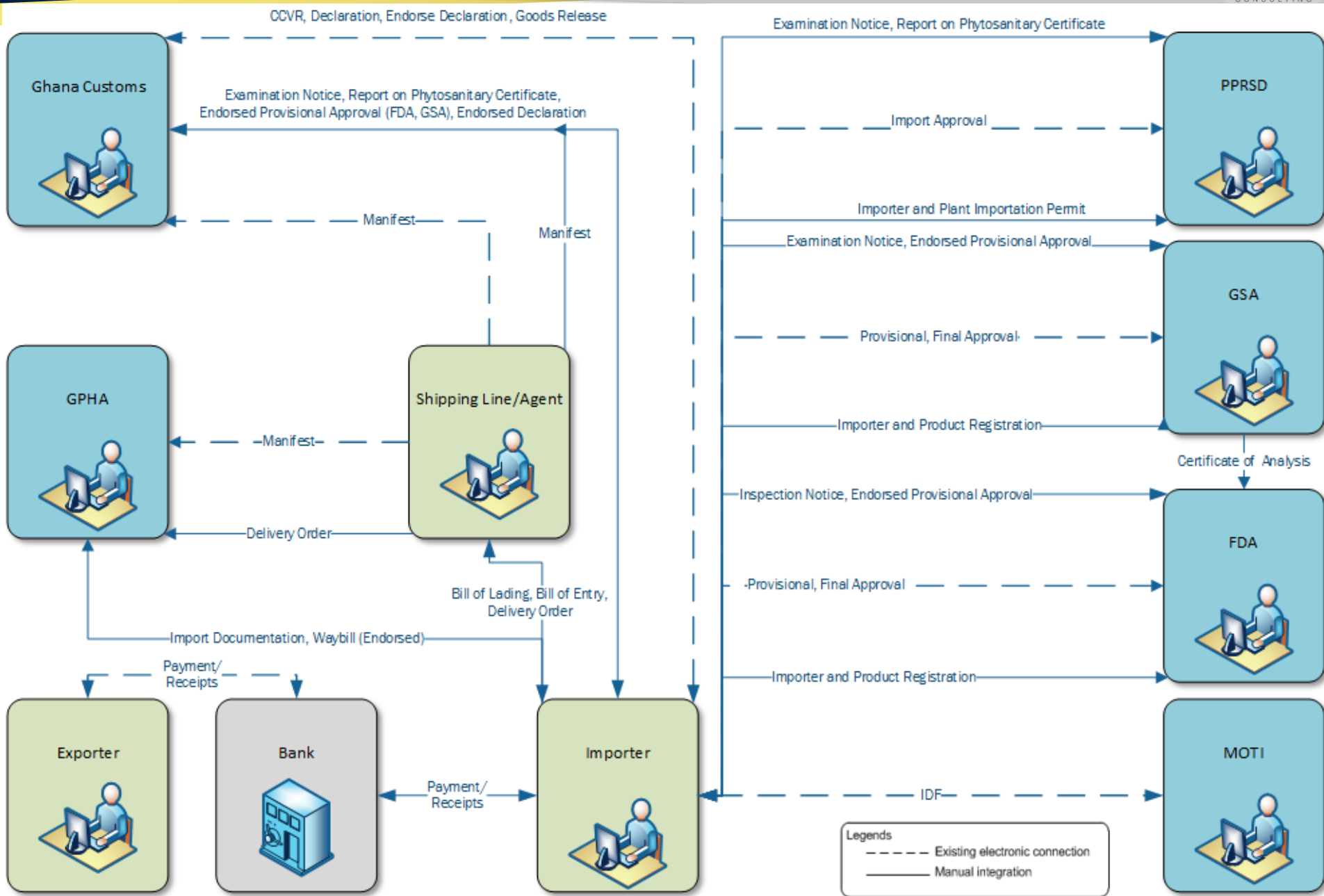
Current ICT Environment - Point-to-Point LPCO System



- Legend:**
- ↔ Human - System Interaction
 - ↔ System - System Interaction
 - ↔ Required System - System Interaction

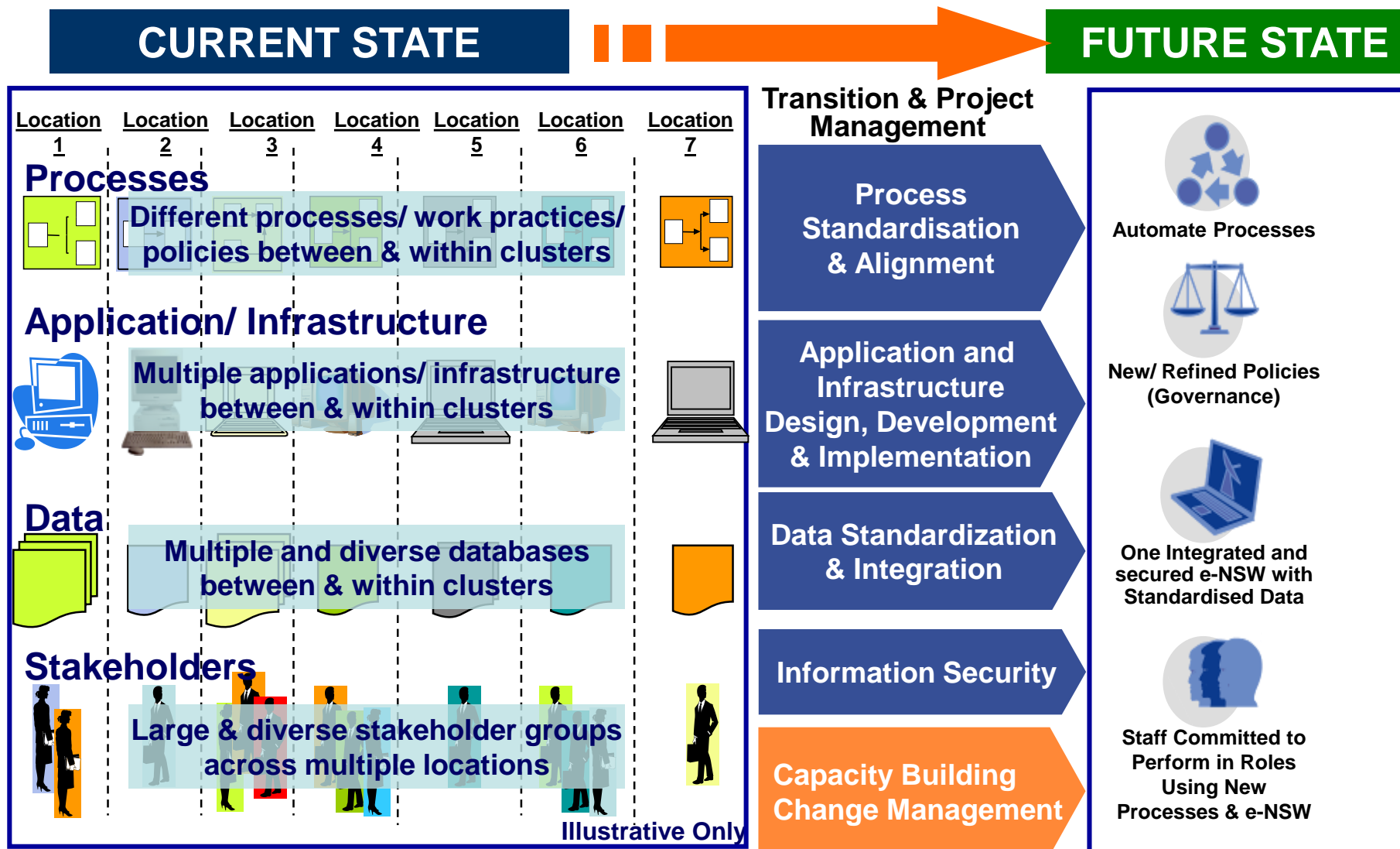
Online Access Channels:

- Web-based Forms
- Electronic Messaging (XML / EDI)



- Electronic point-to-point integrations;
- Multiple Access and Data duplication;
- No visibility on the transparency over PGAs processing;
- Many paper based and manual integrations;
- Trust in verification amongst agencies and inside agencies;
- Paperless Customs limitations.
- Varying ICT-readiness among Stakeholders
- Challenges with network & power supply unreliable;
- Digital signatures not used;
- Lack of vision, strategy and plan for SW;

TRANSFORMATION



1. Protect information;
2. Avoid information duplication;
3. Use SOA to increase flexibility and cost efficiency;
4. Select technology based on architecture fit, capability and vendor support;
5. The architecture shall be based on replaceable components, enabling phased implementation;
6. User interface shall be uniform and intuitive;

7. Use a centralised ICT Infrastructure to facilitate phased integration of stakeholders and services;
8. NSW shall provide both message based and web based integrations;
9. All involved Stakeholder requirements must be addressed;
10. Ensure the use of green ICT;
11. Adopt National Standards and Laws published by NITA;
12. Develop ICT Policies and a common ICT Governance framework for the NSW;

NSW TO BE BUSINESS ARCHITECTURE

Business Services

BUY

SHIP/DELIVER

PAY

Prepare for
export

Export

Transport

Prepare
for Import

Import

Registration
Process

LPCO
Application

Logistic
Process

Advance
Information

Cargo
Declaration

Goods
Declaration

Ports Process

Temporary
Storage

Duties, Fees
Collection

Commercial
processes

Physical
Inspection

Goods Release

Integrated Risk Management

NSW Core Services

Trade
Information

Permit
Application

eManifest

ePayment

Status
Tracking

Tariff
Services

Trader
Registration

License
Application

Goods
Declaration

Inspection
Planning &
Reporting

Notification
Services

Vessel
Management

Product
Registration

Certificate
Registration

Goods
Release

Risk
Assessment

Trade
Statistics

Container
Management

Commercial
services

Transport
services

Financial
Services

Insurance
Services

Pre Arrival
Services.

eGate
Management

NSW Supporting Services

Security
Services

Integration
Services

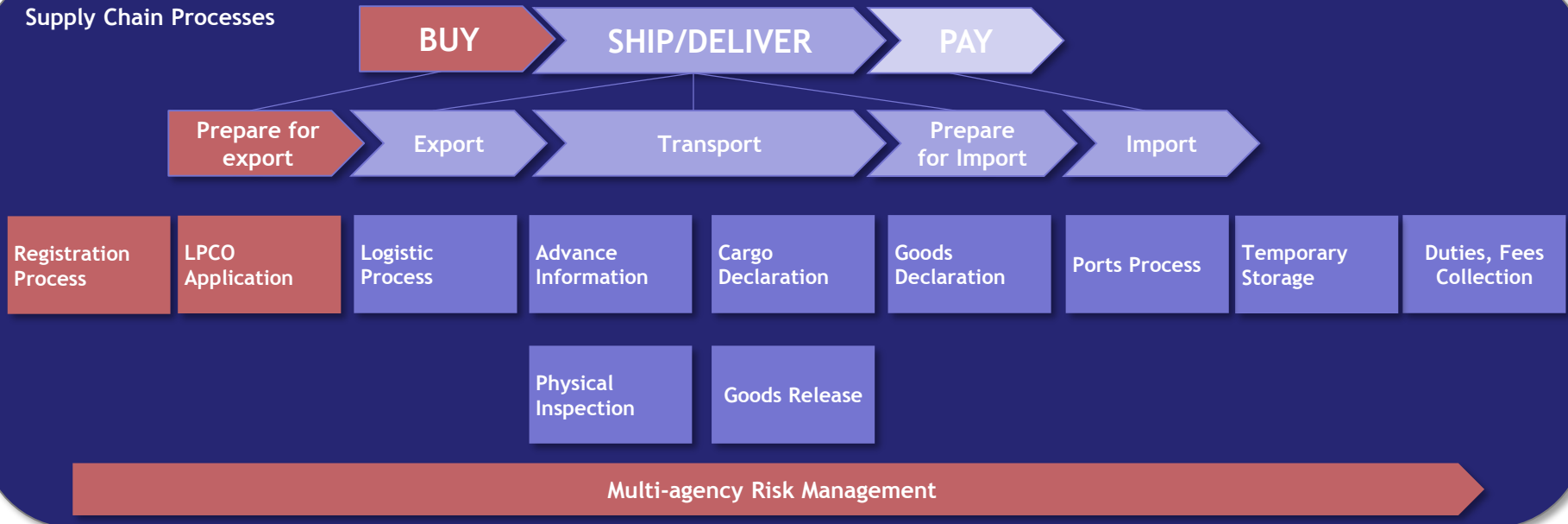
Document
Services

Workflow
Management

Messaging
Services

NSW TO BE Business Architecture

Supply Chain Processes



NSW Services

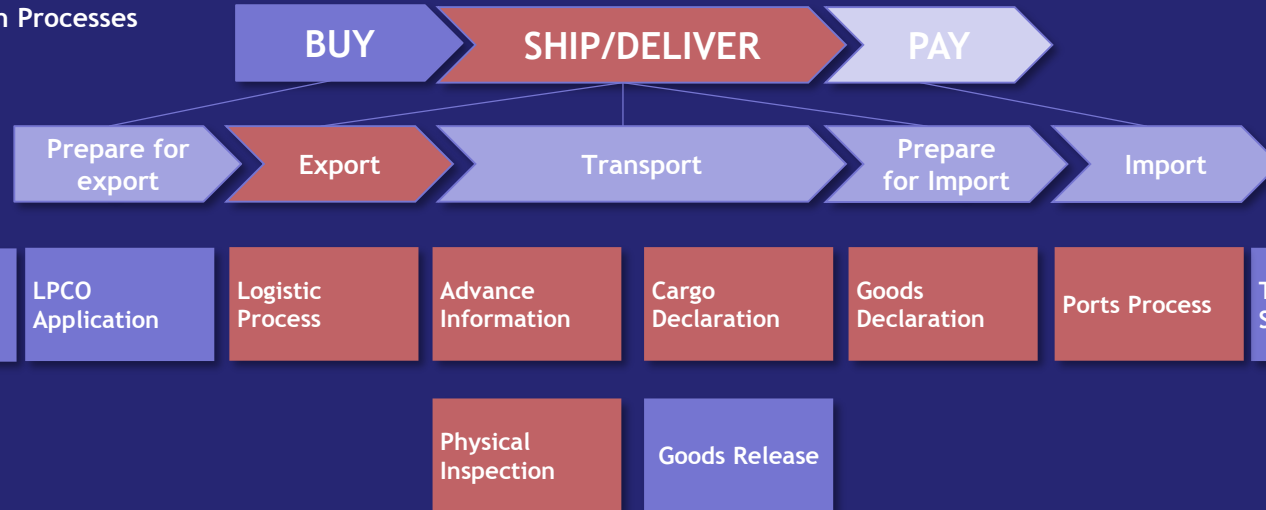


NSW Supporting Services



NSW TO BE Business Architecture

Supply Chain Processes



Multi-agency Risk Management

NSW Services



NSW Supporting Services



NSW TO BE APPLICATION ARCHITECTURE

NSW Application Services

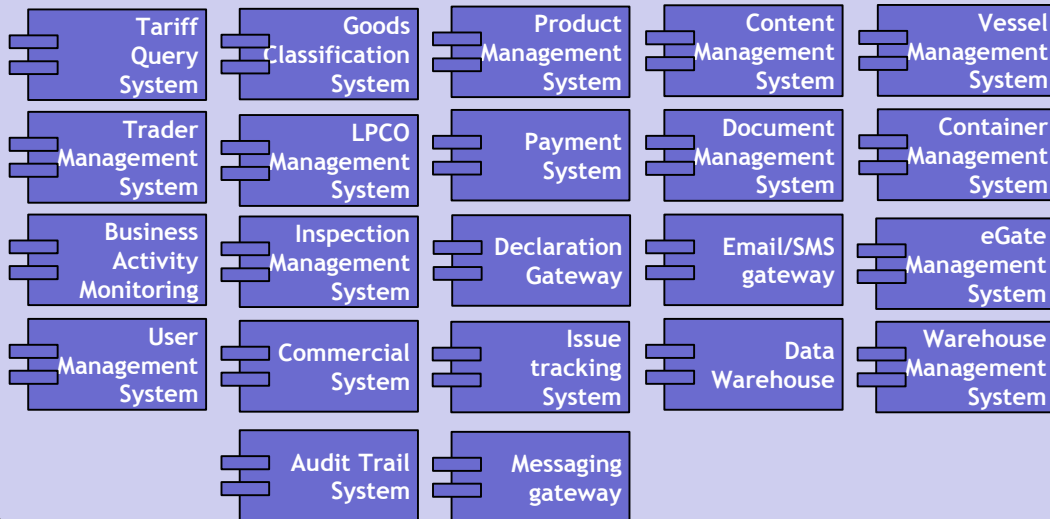


NSW Supporting Services

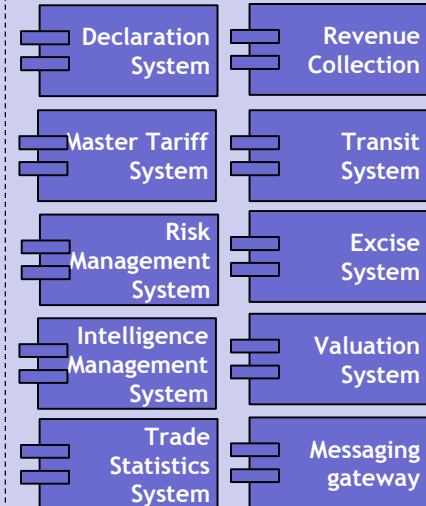


NSW Applications

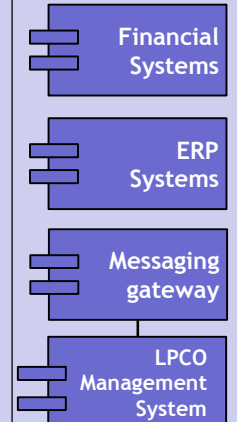
NSW



GRA/CUSTOMS



PGA / Other

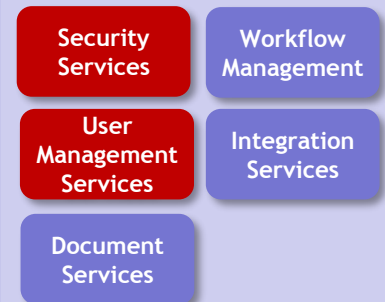


NSW TO BE APPLICATION ARCHITECTURE – TRADE PORTAL

NSW Application Services

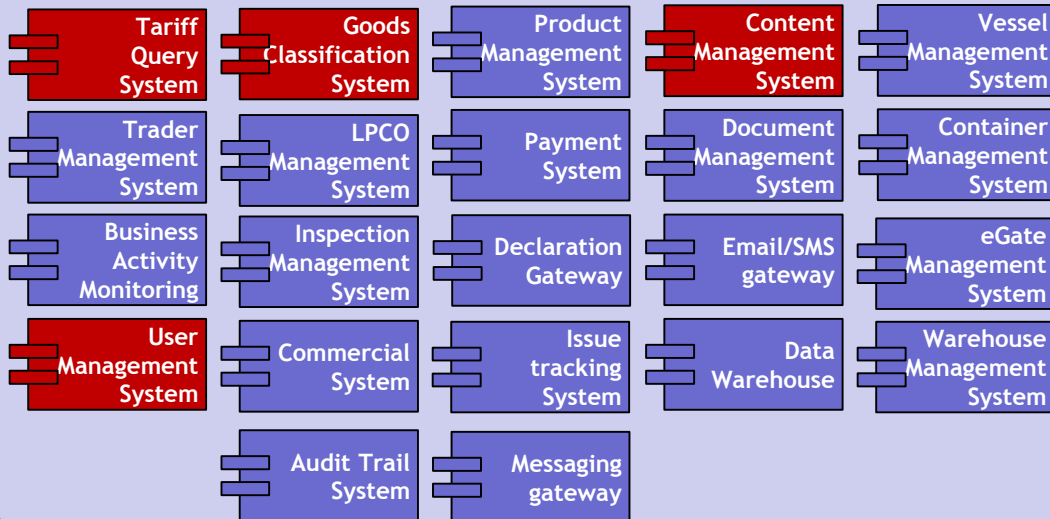


NSW Supporting Services

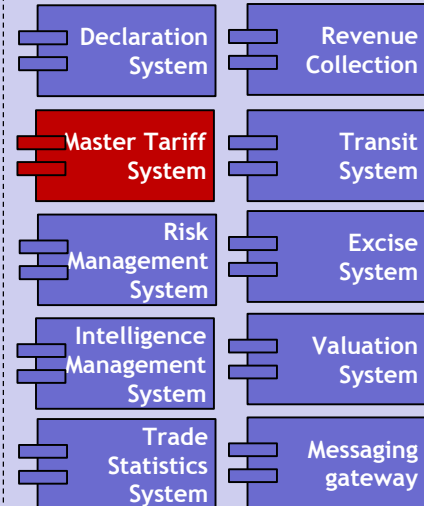


NSW Applications

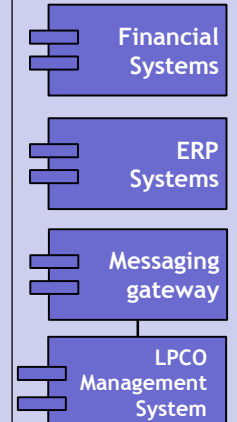
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GRA/CUSTOMS



PGA / Other



NSW TO BE APPLICATION ARCHITECTURE – LPCO APPLICATIONS

NSW Application Services

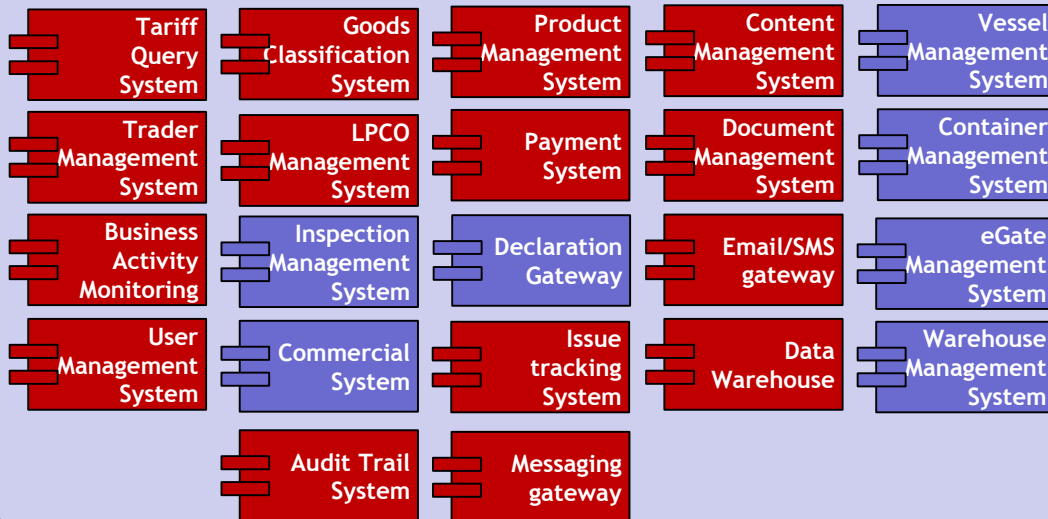


NSW Supporting Services

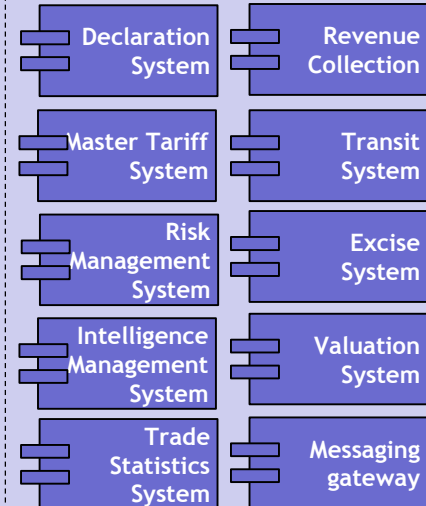


NSW Applications

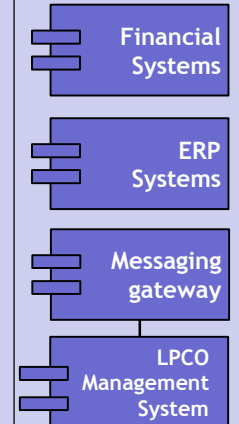
NSW



GRA / GUSTOMS



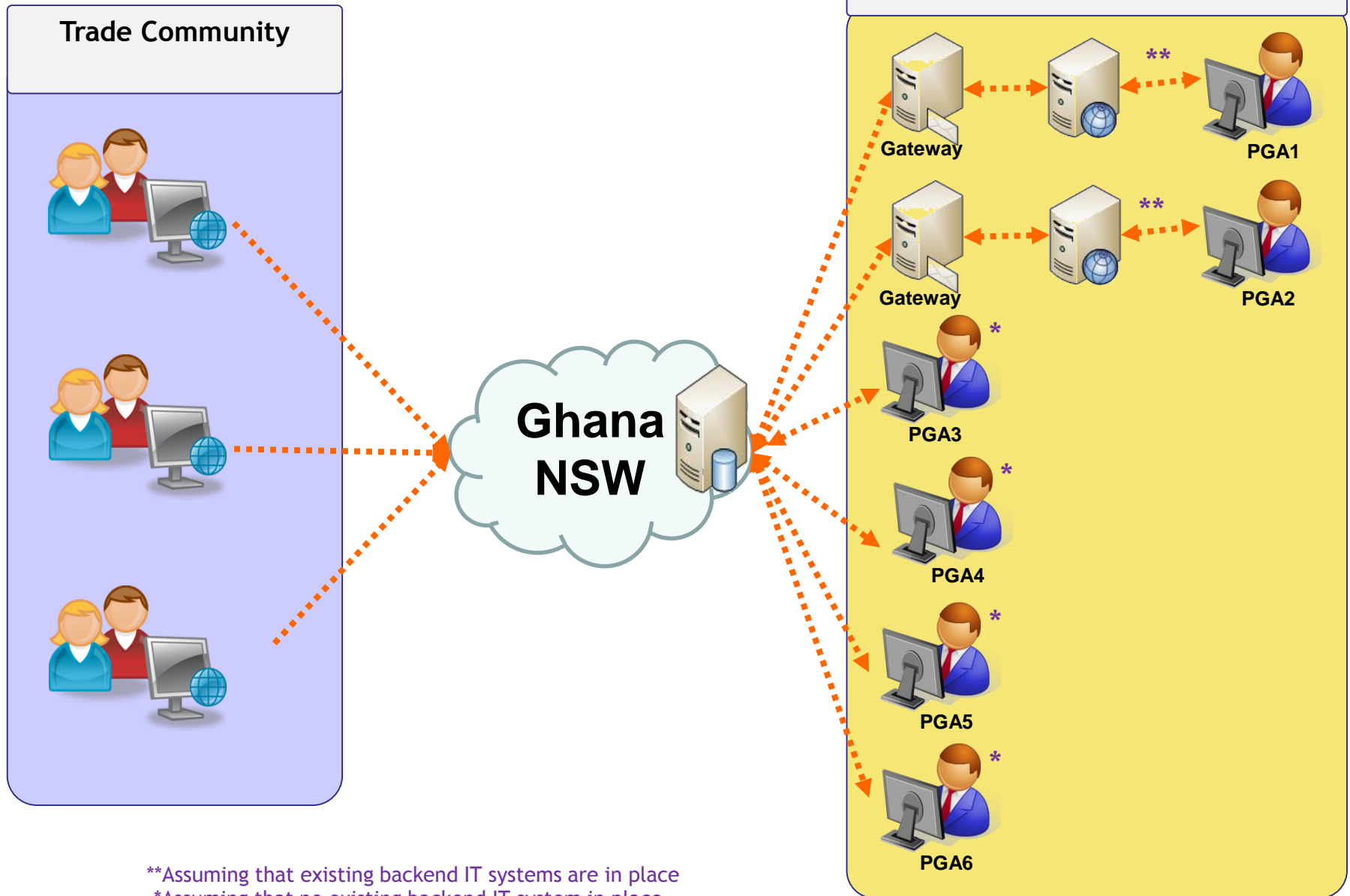
PGA / Other



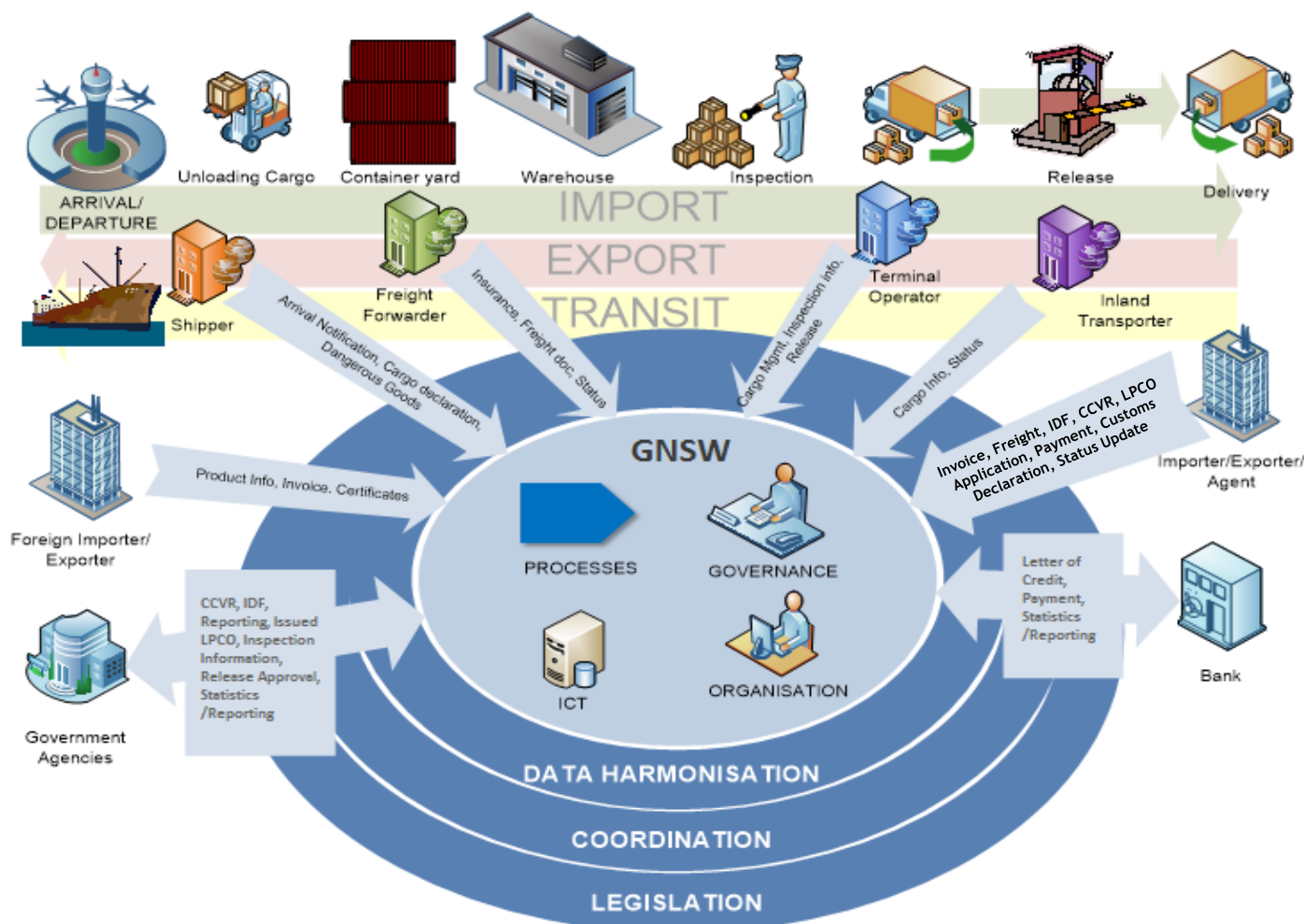
- Mobility Services provides huge benefits in several areas:
 - Trader access
 - Verification of documents
 - Inspections
 - Notifications
 - Track and trace
 - Business Intelligence



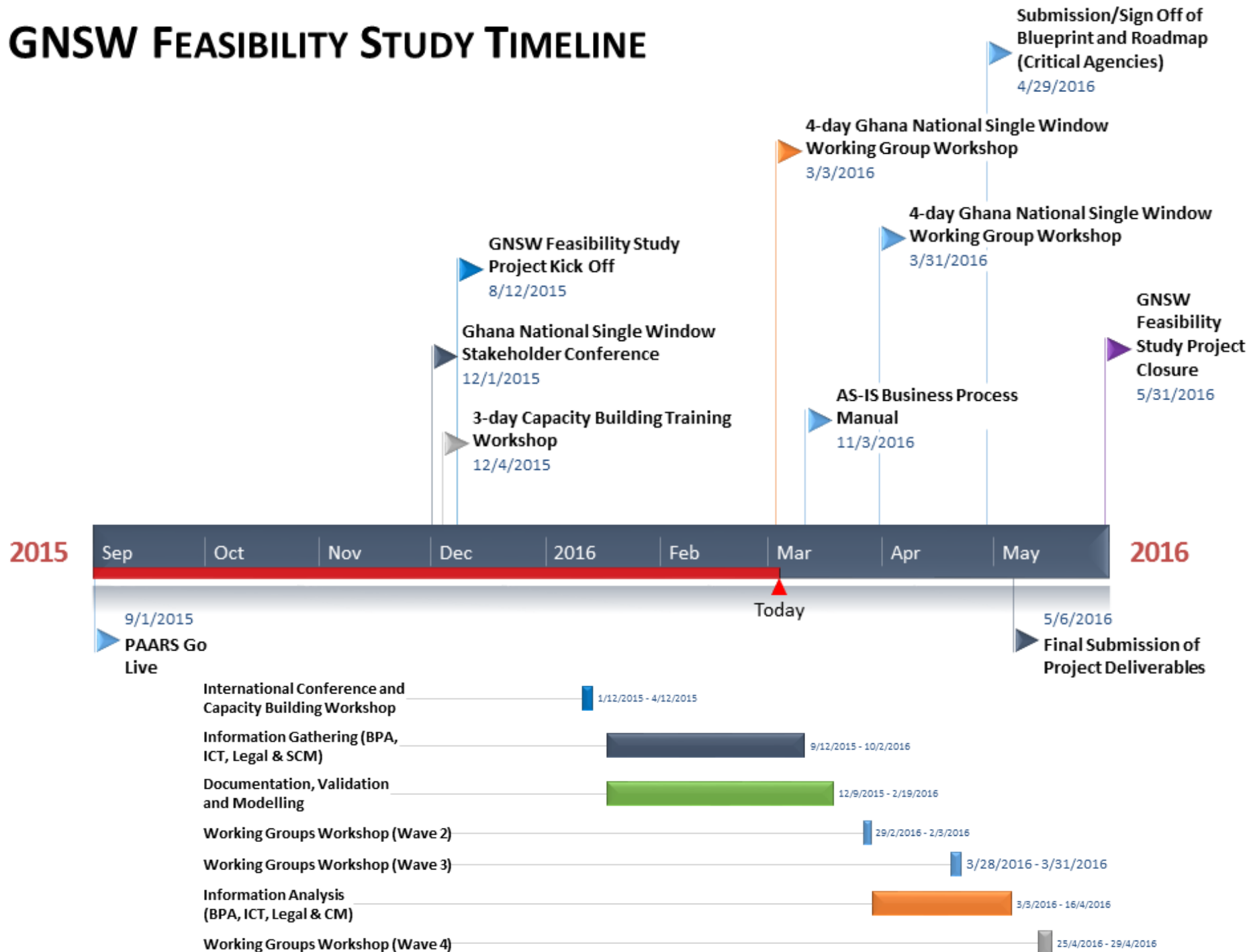
NSW TO BE INTEGRATION ARCHITECTURE



VISION TO BE – REDUCING THE TIME AND COST OF DOING BUSINESS



GNSW FEASIBILITY STUDY TIMELINE



- **Key Achievement**
 - PAARS Go-live - 01/09/2015
 - Ghana National Single Window Stakeholder Conference - 01/12/2015
 - 3-day Capacity Building Training Workshop - 04/12/2015
 - Project kick-off - 08/12/2015
 - 4-day Ghana National Single Window Working Group Workshop - 03/03/2016
- **Information Gathering**
 - 43 information gathering sessions/site visits to government agencies and business stakeholders.
- **Documentation, Validation and Modelling**
 - AS-IS business process descriptions for 14 agencies have been drafted.
 - AS-IS business process descriptions for 9 agencies have been validated.
 - As-Is end-to-end Import Processes of 7 products (Rice, Auto Spare Parts, Oil/Petroleum Commodities, Passenger Vehicles/Trucks, Tomato Pastes, Medicines in Doses, and Vegetable and Palm Oil) have been drafted.
 - As-Is end-to-end Export Processes of 4 products (Cashew Nuts, Cocoa beans, Fish and Gold) have been drafted.
 - As-Is end-to-end Import Processes of Rice has been validated.
 - Over 40 Stakeholder and Change Management Documentations completed.
 - 16 AS-IS ICT Assessment Documentations completed.
 - 9 AS-IS ICT Assessment Documentations validated.

THANK YOU!

For questions or to discuss further contact:

AMINU UTHMAN

