A GOVERNMENT HARMONIZED & INTEROPERABLE

Implementing the Interoperability of Processes, Information Exchange, and Technology Standards through the Philippine Government Interoperability Framework (PeGIF) and Government Common Platform (PGCP)
“The whole is greater than the sum of its parts.”

- Aristotle
The Business Case

Data and information sharing between government agencies remains expensive and complex; reducing the effectiveness of government in its ability to craft solutions and decide on matters that require immediate action.
Objective

Reduce the pain and confusion endured by citizens when transacting with government, and government agencies with each other using information and communication technology;
Vision

A harmonized, interoperable, and interconnected government.
The Current Environment
The Future Environment
Applied Solutions Architecture Principles

- De-Couple Systems;
- Consolidate data (regardless of form);
- Federate the distribution of context-relevant data;
A “whole of government” approach focuses our collective efforts on UNIFYING, not DIFFERENTIATING.
Solution Components

POLICY:
Harmonization of Technology, Information, and Process Interoperability Standards through the Philippine e-Government Interoperability Framework or PeGIF;
Solution Components

TECHNOLOGY:
Implement a secure, scalable, and extensible Government Common Platform accessible and highly available to all government agencies, SUCs, and GOCCs;
Context of Standards

EGMP (E.O. 265 | JMC 2012-01)

GCP (PGEA) | PeGIF

COLLABORATIVE GROUP SPECIFIC DATA EXCHANGE FORMATS/TEMPLATES (PHIE, PBR, ETC.)

CLIENTS / MEMBER ORGANIZATIONS
- AGENCY SYSTEMS (MANAGED ENVIRONMENT)
- COLLABORATIVE GROUPS (MANAGED ENVIRONMENT)
- COLLABORATIVE GROUPS-SPECIFIC DATA MARTS

PHILIPPINE GOVERNMENT COMMON PLATFORM
- CONTEXTUAL REGISTRIES (MANAGED ENVIRONMENT)
- ENTERPRISE DATA WAREHOUSE (MANAGED ENVIRONMENT)
- DISASTER RECOVERY / BUSINESS CONTINUITY (MANAGED ENVIRONMENT)

CENTRALIZED ADMINISTRATION AND MANAGEMENT ENVIRONMENT

GCP TECHNOLOGY POLICY AND GOVERNANCE

iGOV INFRASTRUCTURE

iGOV HIGH-SPEED NETWORK INTER-CONNECTIVITY
Philippine e-Government Interoperability Framework
The PGCP Technology Environment

Internet Browser

Singo Sign-On

PKI Infrastructure

GCP Portal

iGov Citizen Frontline Services
  - Frontline Services Portal
  - FS Apps
  - Frontline Services Application Server
  - Frontline Services Enterprise Service Bus
  - Frontline Services Data Repositories

iGov Government Common Platform
  - GCP Application Server and Middleware
  - GCP Enterprise Service Bus
  - GCP Master Data Management
  - GCP Contextual Registries
  - GCP Data Marts
  - GCP Inter-Governmental Enterprise Data Warehouse

GCP Centralized Document / Content Management (ARMS)

Cloud Orchestration Engine

Co-located / Dedicated Hosting Facility

Virtualized Environment

iGov Secure Data Center Services (Infrastructure as a Service)

iGov High Speed Network
The National Government Portal
Sustainable Capacity Development

1. Definition of Knowledge Creation Focus
2. Calibrated Learning (SUC & INDUSTRY)
3. Apprenticeships (ICTO/ASTI)
4. Internships (ICTO / ASTI)
5. iGov / NGA Deployment
How Government will Benefit from the PGCP

- Software-enabled automated provisioning of your compute and storage requirements, enterprise application and integration stack, and database systems via the Government Cloud managed by a defined service level standard;
- Mentored and managed compliance to global eGovernment standards;
How Government will Benefit from the PGCP

• Rapid increase in the Philippine’s global standing and ranking in technology sophistication;
• Progressive increase in the quality of citizen experience through a more efficient delivery of frontline services to the general public;
What we have accomplished (June 2012 to the present) . . .
Standards Publications*

• Published the PeGIF Technology Interoperability Standards (2014);
• Published the PeGIF Information and Data Interoperability Standards (2015);
• Published the Philippine Government Common Platform Architecture and Roadmap (2015);
• Completed the Service Delivery Life Cycle Framework (2015);

* All publications are available for reading/download at http://i.gov.ph
Shared Government Applications

- National Government Standard Web Template (AO39)
- National Public Key Infrastructure (PKI) System;
- Government Electronic Mail (Email) System;
- National Archives and Records Management System;
- National PHPay and ProgResibo System;
Government Common Platform

• Specifications design of the Philippine Government Common Platform;
• Specifications design of the National Government Portal;
• Identification of Collaborative Groups involved in the generation of Authoritative Data Registries;
On-going initiatives and implementation activities...
Standards Development

- We will be convening/organizing Collaborative Groups to define the PeGIF Process Interoperability Standards within specific operating/frontline services;
Shared Applications

- On-going implementation of the National Government’s Single Sign-On (SSO) system;
- On-going legal refinements required to deploy the National Government’s PHPay and ProgResibo system;
- On-going detailed design for a persistent enterprise document management system;
- On-going system hardening (security) activities;
• Preparing to tender for the Philippine Government Common Platform;
• Preparing to tender for the National Government Portal;
• Began consultation meetings with SUCs concerning the iGov sustainable capability development program;
Implementation Timelines/Targets*

- PGCP Cloud IaaS and PaaS Environment (Q4-2015)
- PGCP API/Web Service Standards Catalog (Q4-2015)
- PGCP Collaborative Environment (Q4-2015)

* Targets based on a forecasted August 2015 project kick-off date
Implementation Timelines/Targets*

- National Government Portal and PGCP Enterprise Core Stack and Service Bus (Q1-2016)
- PGCP Authoritative Registry Environment (Q1-2016)
- PGCP Shared Enterprise Content Management System (Q1-2016)
- PGCP Big Data Repository and Data Warehouse (Q2-2016)

* Targets based on a forecasted August 2015 project kick-off date
Next steps...
What iGov needs from YOU

• ENGAGE to become part of the solution of an integrated and interoperable government;
• COLLABORATE to realize interoperability and achieve with the whole of government world-class service efficiencies and quality;
• DEPLOY committed resources who will participate in delivering a sustainable solution between your respective agencies, SUCs, GOCCs, and collaborative groups, for the whole of government;
The iGov Government Common Platform of PGCP is not just an interoperable technology platform. It is more importantly an explicit demonstration of our steadfast commitment, as government, to provide the highest quality of service to our people; and, of our resolve to compete regionally and globally as a competitively viable economy.