EXECUTIVE SUMMARY

More than three years have passed since the Integrated Government Philippines (iGovPhil) Project was launched in 2012 to provide the necessary infrastructure, systems and applications, and platforms for the establishment of an electronic government (e-government). The project itself is a huge undertaking consisting of several projects. As it continued to accomplish its tasks, the iGovPhil’s breadth and scope also grew and it is now looking to expand its network to several areas in the country.

The project built on past experiences and recent innovations in information and communications technology to accomplish its task of enhancing and simplifying government operations, integrating systems, and delivering relevant and useful services to the people.

E-governance in the Philippines is being implemented through the iGovPhil Project and the Medium-term ICT Harmonization Initiative (MITHI). These are the essential elements of the e-Government Master Plan of 2013-2016. The iGovPhil endeavors to improve processes in government to provide better services to citizens and businesses, as well as to promote public participation, while MITHI aims to harmonize and ensure interoperability among ICT-related resources, programs and projects across the government.

The creation of infrastructure and enhancement and development of shared services and applications aim to achieve the following results:

- Enhanced communication and collaboration among government agencies within the country and the private sector.
- Improved access to government online services.
- Integrated data processing, storage, computing, and connectivity among government agencies.
- Greater accountability, reliability and security in government transactions.
- Increased business investments in the country.
- Maximized savings potential for the government.

The Department of Budget and Management allocated Php 878,464,752 for iGovPhil, sourced from FY 2014 General Appropriations Act, RA 10633 E-Government Fund, which was valid for obligation until December 31, 2015.

Summary of 2015 Accomplishments:

- Completed the laying of fiber optic cables in Metro Manila.
- Out of 120 government agencies that have been installed with fiber and optical distribution frames, 101 have already been connected to the Government Network.
- Continued the operation of the two government data centers and government cloud.
- Continued the operation of the developed shared services: Archives and Records Management Information System (ARMIS), Government Project Management Information System (PMGov) and Forms Generator.
- Continued providing technical support to government agencies that availed of the Government Web Hosting Service (GWHS) for their websites.
- Continued issuing digital certificates to individuals, agencies and servers.
- Continued the procurement of capital outlays.
Government Network

During the first three years, the project has laid down fiber optic cables in Metro Manila and in Metro Cebu, connecting 160 and 15 government agencies, respectively. This government network aims to provide sufficient bandwidth to support the huge volume of traffic among participating agencies. Through fiber optic technology, the connection is faster and more reliable, supporting the crucial needs in the deployment of cloud-based, common and shared services.

The project also aims to expand the network by connecting government offices in the eight regions. For this year, however, the project will focus on the first six regional centers, namely:
- Tuguegarao, Cagayan Valley – 26 km, 56 government agencies
- Iloilo City – 35 km, 52 government agencies
- San Fernando, Pampanga – 16 km, 33 government agencies
- Baguio City – 28 km, 43 government agencies
- Palo, Leyte – 16 km, 20 government agencies
- Legazpi, Albay, 20 km, 34 government agencies

Accomplishments

Metro Manila:

- Done with installation of network equipment: 120 government agencies
  - Connected: 101
  - For deployment: 14
  - Done (pigtail testing): 5
- For installation (with dependencies): 18 government agencies
- For installation (once MOA/conforme is signed): 16 government agencies
- Declined the project: 1 government agency
- Deferred from the list upon further site survey: 6 government agencies

Regions:
- Completed Transfer of Funds in the six regions
- Conducted Consultative Meeting and Orientation in Tuguegarao, Iloilo and Pampanga
- Completed bidding and procurement. Winning bidder: Comm Trend and Zeal Power Corporation
- Engineering and survey activities were done in December 2015

National Government Data Center

The project has set up data centers in Quezon City and Makati City, referred to as NGDC 1 and NGDC 2, respectively. The procured equipment has already been installed and configured.

In NGDC 1, a number of agencies, such as the University of the Philippines, Philippine Statistics Authority and Philippine Charity Sweepstakes Office have already deployed their virtual machines and physically hosted in this site.

The NGDC 2 is an outsourced commercial data center in Makati City. Additional data center equipment and racks have been procured. At present, the Bureau of Internal Revenue, Project NOAH, Department of Budget and Management and Credit Information Cooperation are colocated at the data center. There are also incoming and reserved colocation slot for National Mapping and Resource Information Authority and additional four racks for BIR.

Furthermore, preliminary activities for setting up the NGDC 3 in Subic have also commenced. Data centers that will be developed outside Metro Manila will serve as disaster recovery sites.

Accomplishments

NGDC1: Complete List of Agency Clients

<table>
<thead>
<tr>
<th>Agency</th>
<th>Number of Racks</th>
<th>Number of Racks Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated Government Philippines Project</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>iGovPhil Public Key Infrastructure</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>UP Philippine Genome Center</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>UP Institute of Environmental Science and Meteorology - Weather Information Integration for System Enhancement</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Information and Communication Technology Office</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Philippine Charity Sweepstakes Office</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
### Government Cloud

The GovCloud was set up in small scale in 2013 since it was developed initially to support the project’s applications and other services. However, as more government agencies became interested in the service, it was eventually offered to other agencies that were in need of cloud computing. Today, the set up could now provision virtualized servers, storage and network. It also has horizontal and vertical scalability to increase runtime usage.

The servers, storage devices, networking equipment and software found in the cloud help improve government processes and delivery of services to the people. The government also saves money this way because services are shared by agencies; i.e., one agency could take advantage of the same resources needed by another agency. Costs are managed because hardware acquisition and maintenance are reduced. Cloud services could also be provisioned and reallocated on demand, depending on the budget, resource requirements, or time of year.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Number of Racks</th>
<th>Number of Racks Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philippine Statistics Authority</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Single Sign On</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>IBM IOC</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>27 racks</td>
<td>2 rack units</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Agency</th>
<th>Number of Racks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bureau of Internal Revenue</td>
<td>4</td>
</tr>
<tr>
<td>Project NOAH</td>
<td>1</td>
</tr>
<tr>
<td>Credit Information Cooperation</td>
<td>2</td>
</tr>
<tr>
<td>Department of Budget and Management</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>10 racks</td>
</tr>
</tbody>
</table>

### Accomplishments:
- Migration of Old Cloud-based virtual machines to New Cloud. Old Cloud uses Open Nebula Plat form, while New Cloud is oVirt – 80% done
- Completed systems engineering set up:
  - back server
  - adding of all virtual machines, servers, network devices, in the monitoring servers
  - oVirt agent in Red Hat
  - iGovPhil Lightweight Directory Access Protocol (LDAP) server
- Upgraded GWHS server compute capacity from 16GB to 32GB RAM to increase capacity according to demands
- Tasks for BIR:
  - Installed Zabbix agent on pfense
  - Enabled SNMP (monitoring tool) on pfense
  - Set up second pfense
  - Conducted ipsec bandwidth testing
- Completed GovMail storage expansion
- Added storage for Bacula Backup Systems and completed Bacula Storage extension
- Implemented Web Application Firewall on all web applications
- 80% done on openDCIM updates and configuration
- Updated/upgraded software applications
- Public Key Infrastructure Cloud now up and running
- Statistics:
  - Old Cloud – 68 virtual machines
  - New Cloud – 195 virtual machines
  - 33 government agencies

### Resource Allocation:

<table>
<thead>
<tr>
<th></th>
<th>Memory:</th>
<th>Storage:</th>
<th>CPU:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Cloud</td>
<td>Alloc. 420GB</td>
<td>Alloc. 14, 470 GB</td>
<td>Alloc. 11750 cores</td>
</tr>
<tr>
<td></td>
<td>Usage: 2070GB (49.29%)</td>
<td>Usage: 12, 195 GB (84.3%)</td>
<td>Usage: 1250 cores (10.64%)</td>
</tr>
<tr>
<td></td>
<td>Available: 213 GB (50.71%)</td>
<td>Available: 2275 GB (15.7%)</td>
<td>Available: 10500 cores (89.36%)</td>
</tr>
</tbody>
</table>
### New Cloud:

<table>
<thead>
<tr>
<th></th>
<th>Memory</th>
<th>CPU</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>154-Dev_CL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>252GB</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Allocated</td>
<td>276GB</td>
<td>135</td>
<td></td>
</tr>
<tr>
<td>Actual Usage</td>
<td>121GB</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Available</td>
<td>-24 GB</td>
<td>-55</td>
<td></td>
</tr>
<tr>
<td><strong>154-Prod_CL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>882GB</td>
<td>280</td>
<td></td>
</tr>
<tr>
<td>Allocated</td>
<td>1188GB</td>
<td>528</td>
<td></td>
</tr>
<tr>
<td>Actual Usage</td>
<td>689GB</td>
<td>108</td>
<td></td>
</tr>
<tr>
<td>Availability</td>
<td>-3066GB</td>
<td>-248</td>
<td></td>
</tr>
<tr>
<td><strong>155-Dev_CL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>252GB</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Allocated</td>
<td>58GB</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Actual Usage</td>
<td>58GB</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Available</td>
<td>194GB</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td><strong>155-Prod_CL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>1386GB</td>
<td>264</td>
<td></td>
</tr>
<tr>
<td>Allocated</td>
<td>264GB</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Actual Usage</td>
<td>174GB</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Availability</td>
<td>1122GB</td>
<td>158</td>
<td></td>
</tr>
</tbody>
</table>

**Usage:** 2618GB(OS) + 49104GB(storage) = 50.51TB (52%)

**Available:** 3524GB + 44057(storage) = 46.47TB (48%)

Allocated(100GB allowance per Volum/LUN):2818G-B(OS)+54404G-B(storage) = 52.95TB
The Philippine National Public Key Infrastructure secures the information shared over the Internet with the use of digital certificates and encryption. Under this scheme, a Certification Authority issues a digital certificate to an individual, a Registration Authority verifies the certificate, and a validation service authenticates it.

The PNPKI system is the heart of government service, providing data security and integrating with other services offered by the project such as ARMIS and GovMail. With PNPKI, fraud, identity theft and misrepresentation in Internet transactions are avoided.

Accomplishments:

- Set up a Disaster Recovery site in NGDC 2.
- Conducted PKI Orientation to the following agencies, where employees also applied for a digital certificate:
  - Office of the Solicitor General
  - Department of Foreign Affairs
  - National Archives of the Philippines
  - Civil Service Commission
  - Pag-IBIG Fund
  - DOST-Philippine Council for Agriculture and Natural Resources Research and Development
  - Bureau of Customs
  - Advanced Science and Technology Institute
  - Office of Ombudsman
- Started working with PhilHealth to become pilot agency for the implementation of iGovPhil’s services in a community setting for e-transactions.
- SecureMetric is already finalizing the online registration for digital certificate application
- Interested agencies to become Government Registration Authority (GovRA):
  - Philippine Government Electronic Procurement System
  - Department of Health
  - Civil Service Commission
  - Pag-IBIG Fund
  - University of the Philippines
  - Development Bank of the Philippines
  - DOST-Philippine Council for Agriculture and Natural Resources Research and Development
  - Bank of the Philippine Islands
  - Bureau of Internal Revenue
  - Philippine Economic Zone Authority
  - PhilHealth
  - Bureau of Customs
- Registration Authority function transitioned to ICTO – Systems and Infrastructure Management Service (ICTO-SIM) on June 2015.
- Agencies interested in adopting PKI:
  - Quedancor
  - Department of Justice
  - Bank of the Philippine Islands
  - Development Bank of the Philippines
- Appointed 11 Registration Authority Officers from the Central Office and Field Operations Office clusters
- Number of issued digital certificates:
  - Individuals – 906
  - Agencies – 7
  - Secure socket layer (machines) – 40
The Government-wide Email System (GovMail) is a service that allows government agencies to communicate officially using their own domain name with the .gov.ph suffix. It gives government agencies and employees more credibility because the name of the agency is reflected in the email address, making the messages official. The data is also protected because it is stored in a cloud hosted in the NGDC.

GovMail is a browser-based, open-source email, calendar and collaboration platform. Its interface is similar to messaging services like Microsoft Exchange, Outlook and Thunderbird. The difference is that instead of using the desktop as primary storage and access, GovMail accesses cloud storage through an Internet browser.

Within the year, the management of this service, as well as the provisioning of accounts, has already been transitioned to ICT Office’s Systems and Infrastructure Management (SIM). All government agencies that wish to avail this service must coordinate with the said office.

**Accomplishments**

- Integrated PMGov and ARMIS in GovMail zimlets.
- Developed Single Sign On facility for GovMail services.
- Turned over some of the remaining servers to ICTO-SIM, the remaining servers are managed by iGovPhil, which include Pakete, Usap and Sync.
- Officially turned over to ICTO-SIM in July 2015.
- Statistics as of November 30, 2015:
  - Number of client agencies: 91

<table>
<thead>
<tr>
<th>LIHAM LICENCES</th>
<th>STANDARD</th>
<th>PROFESSIONAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Licenses</td>
<td>30,000</td>
<td>1,000</td>
</tr>
<tr>
<td>Provisioned</td>
<td>21,245</td>
<td>739</td>
</tr>
<tr>
<td>Balance</td>
<td>8,755</td>
<td>261</td>
</tr>
</tbody>
</table>

Those still in Sulat (for Migration to Liham) and for Provisioning:

<table>
<thead>
<tr>
<th>SULAT LICENSES</th>
<th>ACCOUNTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance</td>
<td>8,755</td>
</tr>
<tr>
<td>Remaining Sulat Accounts</td>
<td>1172</td>
</tr>
<tr>
<td>For Provisioning</td>
<td>5788</td>
</tr>
<tr>
<td>Total licenses remaining</td>
<td>1795</td>
</tr>
</tbody>
</table>
National Archives and Records Management Information System

The National Archives and Records Management Information System (NARMIS) is the integrated systems designed to manage electronic documents and records of national government agencies. It focuses on the digitization of paper-based documents and records, but more importantly, developing systems that will manage these documents – from creation, routing, tracking, archiving and later on disposal – that adheres with existing policies, laws and ISO Standards as defined by the National Archives of the Philippines (NAP).

It is composed of four components: Archives and Records Management Information System (ARMIS), Agency Records Inventory System (AgRIS), Data Registry, and Digitization. ARMIS and AgRIS are being managed by the project in coordination with NAP.

Archives and Records Management

Information System

The Archives and Records Management Information System (ARMIS) is a document management and tracking, archiving and disposal application system that facilitates electronic document management for government agencies. In addition, agency-submitted documents are made available for search and retrieval by government agency users who are authorized or qualified by level. Documents classified for public viewing and retrieval are also available to the general public through the system.


Accomplishments

- Started doing the following functionalities:
  - Digital signature with ARMIS.
  - Implementation of non-electronic records inventory and reports
  - Document tracking report per document
  - Email notification
  - Dashboard task notification
  - Universal identification for document tracking number
- Completed virus scanning for uploaded documents
- Integrated with PKI
- Completed the following in ARMIS server:
  - Live Backup and Recovery Implementation
  - MySQL Replication Implementation
  - Certificate Setup (SMTP)
- Updated the Installation Manual

Agency Records and Inventory System

The Agency Records and Inventory System (AgRIS) is developed to come up with a standardized document inventory system that tracks all records of all government agencies. It serves as a record inventory system where all documents (paper or soft copy) are recorded. It also helps the digitization program by setting up an approximate number of documents that need to be digitized. Through this, classification of documents is also made easier.

Accomplishments

- Source codes were sent to the Cyber Security consultants for vulnerability assessment.
- Performed in-house vulnerability test to ensure that the latest source codes sent to the consultants will pass.
- Installed secure socket layer certificate on load balancer to resolve the https-redirecting issues.

Government Project Management Information System

The Government Project Management Information System (PMGov) gets full control of agency’s projects and manages the people and resources efficiently and effectively.

PMGov is an online project management application that allows every project proponents to collaborate with all the stakeholders every step of the way: from initiation to planning and design, execution, monitoring and evaluation, to closing.

Accomplishments:

- Completed migration of the ICT Office instance to the new cloud server.
- Submitted the source codes to the Cyber Security consultants for vulnerability assessment.
- Followed up Administrator’s Manual and pending issues with Intelimina, the service provider.
- Reviewed Intelimina’s submitted technical documentation.
- Provisioned PMGov instance to government agencies and a state university.
- Number of agency clients: 10
PhPay is an electronic payment facility and gateway that enables citizens and businesses to remit payments electronically to government agencies. Once this service go live, citizens can already pay to government agencies anytime, anywhere, 24/7, eliminating face-to-face transactions and direct handling of cash, thereby reducing opportunities for illegal deals.

The system development for this service has been completed since 2014. There remains, however, a stumbling block that prevents its implementation: the complicated process of the signing of a Memorandum of Agreement between the Bureau of Treasury and the DOST-ICT Office.

This service has already completed its system development since 2014, however, the project has encountered issues with the Bureau of Treasury with regard to the Memorandum of Agreement between the said agency and the DOST-ICT Office.

**Accomplishments**

- PhPay landing page already on WordPress government website template.
- System already in the production server, awaiting connection to agency adopters and partner e-payment facilitators (ePFs).
- Sent the Memorandum of Agreement to potential ePFs for comments.
- Adoption plans:
  - Model: straight to agency account
  - Contact agencies for PhPay requirements:
    - Products and UACS code
    - Online forms submission

**Forms Generator**

The Forms Generator (FormsGen) is developed using an open-source application that produces electronic versions of government agencies’ paper-based forms. It has a form designer, form renderer, and shared application service registry.

FormsGen is a hassle-free electronic forms that make easier and simpler for citizens to get the right forms, fill them out and send them online. It saves government agencies time, effort and money by eliminating printout application forms and face-to-face transactions.

- No changes were made in the system
- Updated graphical user interface to be applied to the production version
- Completed email notification and updated the user interface
- Formalized process for migrating published forms (final versions) from staging server to production server with developer. Scenario testing on going.
- Migrated the system in the iGovPhil’s New Cloud (oVirt)
- Completed provision for staging and production servers
- Procedures for migration of forms from staging to production server already provided by the developer
- Submitted the source codes to the Cyber Security consultants for vulnerability assessment
- Number of agency clients: 24
- Number of published forms: 114
**Enterprise Resource Planning System**

The Enterprise Resource Planning (ERP) is a cost-effective system developed using open source applications. It delivers the real benefits of eGovernment, such as quick access tools and relevant information, paperless and faster transactions, automated workflows within and between teams and functions across an organization. Hence, the system contributes to savings in personnel’s time, office supplies, and resources, while increasing productivity.

**Accomplishments**

- Completed systems development (basic features).
- Ongoing completion of responsive version.
- Pilot implementation with DOST-ASTI and DOST-ICT Office.
- Enhanced the following modules:
  - Leave
  - Daily Time Record
  - Pass Slip
  - Employment Record
  - Equipment Inventory
  - Purchase Request
  - Request for Quotation/Invitation to Bid
- Deployed the following modules:
  - Pass slip enhancement
  - Leave application enhancement
  - Equipment inventory
  - DTR module to iGovPhil personnel
- Completed URL security issue
- Assisted ICTO on implementation. Data population and validation already done.
- Completed PKI integration on DTR module
- Added audit facility

**Single Sign On**

Single Sign-On (SSO) is a portal that enables users to log in to a particular service or application and gain access to all services connected to the system without logging in again.

Currently, this service is in the process of integrating with the iGovPhil applications such as ERP, GovMail, PMgov, ARMIS and Pakete (FileSender).

**Accomplishments:**

- Completed procurement of consultancy services in January 2015
- Developed the system and conducted Proof of Concept sessions
- User Acceptance Test (UAT) conducted on August 3-7, 2015
- Completed UAT of production system

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**Aral (Learning Management System)**

Aral is a Moodle-based Learning Management System that helps state universities and colleges maximize the use of electronic educational technology or e-learning by managing online courses. It is hosted in the Government Cloud and accommodating various users from different SUCs and training institutes.

**Accomplishments**

- Upgraded the development and production servers.
- Conducted accounts migration from development server to production server.
- Old Learning Management System server was handled by UP DILC. It has been shut down and all iSchools data were migrated to the production server of Aral.
- Completed migration and data testing.
- Up and running on a stable platform.
- Total number of participants trained for this year: 41 (23 agencies)
- CBSUA, LWUA and ISU will implement distance learning using Aral.
- Number of agency clients: 40
- Number of users:
  - 245 users from state universities and colleges and training institutes
- Active users: Bulacan Agriculture State University and Philippine Army
Government Web Hosting Service and Government Website Template

The Government Web Hosting Service (GWHS), under Administrative Order No. 39, issued by President Benigno Aquino III on June 12, 2013, provides a web hosting service to government entities, including government agencies, financial institutions, government-owned and -controlled corporations, and inter-agency collaborations, programs and projects. It allows government websites to be housed under one roof.

It mandates all line agencies to transfer their Internet hosting requirements to this service for more efficient use of technology and greater protection against hacking and cyber-attacks. Local government units and other autonomous bodies of government are exempted from the order but they are encouraged to avail of the web hosting service.

Government Website Template

The Government Website Template (GWT) aims to address the concern for a government identity in the Internet. Government agencies that adopt the template will have a common look and feel, without affecting the agencies’ content and creativity. The templates are in WordPress, Joomla and Drupal.

The template doesn’t just create a unified identity for the different agencies under the government, but also includes guidelines, standards and best practices for setting up, developing, running, and maintaining a website.

Accomplishments

- Completed development of iGovPhil helpdesk and currently being used by the project; ongoing transition to ICT Office-SIM.
- Updated the GWT manuals.
- Statistics:
  - AO39 Mandated Agencies: 207
    - Websites not yet hosted: 107
    - In process of migration: 34
    - List of websites that passed the Web Assessment and are now live in the production server: 66
  - Agencies not Mandated by AO39
    - Number of known websites: 1,062
    - Websites not yet hosted: 1,293
    - In process of migration: 50
    - List of websites that passed the Web Assessment and are no live in the production server: 428
The Philippine Government Common Platform (PGCP) is a platform-as-a-service of data and information that can be accessed, shared and used by government agencies. In the process, the government agencies enhance their efficiency – and save money – by sharing resources, eliminating duplication of work, collaborating, and exchanging knowledge and experiences.

PGCP aims to provide a whole-of-government approach to harmonizing the diverse operations of government agencies and coming out with a systems model that recognizes both their unique and common elements.

Accomplishments:

- Finalized the PGCP Roadmap and is available in the iGovPhil website.
- Prepared the Terms of Reference for the PGCP Stack, NoSQL Staff Augmentation and PGCP Business Intelligence.
- In process of incorporating Software Development Life Cycle with PGCP Roadmap.
- Enhanced the ISSP template to incorporate requirements of PGCP and is still under review.
- Established the Collaborative Groupings for target registries: citizen, land, business, vehicle; ongoing coordination with Philippine Statistics Authority, Philippine Health Insurance Commission, Manila International Airport Authority, Commission on Higher Education, Department of Environment and Natural Resources, Land Management Bureau, Philippine National Trade Repository, Cooperative Development Authority, Department of Transportation and Communications/Land Transportation Franchising and Regulatory Board, Land Transportation Office, and Civil Aeronautics Board.
POLICY AND STANDARDS DEVELOPMENT

The project facilitates the development of the interoperability policy or standards that would ensure the technical operations of the integrated systems.

Accomplishments:

- Conducted Public Consultation on the following draft policies during the celebration of National ICT Month, June 24, 2015:
  - Administrative Order: Government Network
  - Object Identifier Registration Authority Operations Procedure
  - PNPKI Time-Stamping Policy/Practice Statement

- Conducted Policy Awareness on the following signed policies during the National ICT Month, June 24, 2015:
  - Memorandum Circular: PeGIF: Technical Interoperability Framework
  - Memorandum Circular: PeGIF: Information Interoperability Framework
  - Memorandum Circular: Government Registration Authorities Accreditation Guidelines
  - Memorandum Circular: PNPKI Certificate Policy
  - Memorandum Circular: PNPKI Certification Practice Statement
  - Memorandum Circular: GovMail Service Guidelines
  - Memorandum Circular: Government Web Hosting Service

- Drafted the following and in process of review and finalization:
  - PNPKI Business Continuity Plan/Disaster Recovery Plan
  - PNPKI Time-Stamping Policy/Practice Statement
  - Special Order: Creation of the Government Registration Authority Accreditation Committee and Its Functions
  - Object Identifier Registration Authority Operations Procedure

- Conducted Public Consultation on the following draft policies during the Year-End Activities of the Project, December 7-9, 2015
  - Memorandum Circular on Government Information Protocol Exchange
  - Memorandum Circular on Government Network
  - Joint Memorandum Circular on ARMIS and AgRIS

Philippine eGovernment Interoperability Framework: Information Interoperability Framework

The Philippine eGovernment Interoperability Framework: Information Interoperability Framework (PeGIF: IIF) is meant to enable the Philippines government to share and reuse information in a uniform and effective manner among its various agencies and instrumentalities and between government and its stakeholders. It is the second part of the Philippine eGovernment Interoperability Framework.

Accomplishments:

- Drafting of IIF has already been completed by the SWG of PeGIF by January 2015.
- Memorandum Circular for the PeGIF: IIF has already been signed by USec Louis Napoleon C. Casambre on 27 April 2015.
- Brainstorming for the development of PeGIF 3.0 has already been started between the iGovPhil Project Manager, PGCP Project Manager and iGovPhil Enterprise Architect consultant.
- Started convening the Special Working Group for the development of PeGIF 3.0
The iGovPhil Project identified the training needs of recipient agencies to prepare them for their new roles when the project outputs are implemented. It also conducted a number of events that aim to provide necessary updates for its stakeholders.

**EXECUTIVE BRIEFING, 26 February 2015**
- It endeavoured to apprise the government agencies of the following:
  - The Philippine eGovernment Interoperability Framework and eGovernment Master Plan
  - The Philippine Government Common Platform and its Roadmap
  - The PGCP and its Authoritative Registries
  - The Resource Pooling Strategy
- Attended by 148 participants

**NATIONAL ICT MONTH**
- 23 June 2015, iGovPhil Booth: 49 visitors
- 24 June 2015, Policy Consultation and Awareness: 80 attendees

**AUTHORITATIVE REGISTRIES IN THE PHILIPPINE GOVERNMENT COMMON PLATFORM**
- 6 July 2015: 14 agencies, 24 participants
- 7 July 2015: 14 agencies, 22 participants

**NATIONAL SCIENCE AND TECHNOLOGY WEEK**
- July 24-28 2015: iGovPhil Booth: 264 visitors

**KAPIHAN NG MGA HEPE**
- This was an informal gathering of chief information officers (CIOs) of government agencies where they could talk about current issues on information and communications technology over coffee and snacks or breakfast. It was a platform for no-holds barred discussions on everything that has to do with ICT, including problems, solutions, experiences and best practices in implementing ICT projects.
  - 27 August 2015: PeGIF and eGovernment Framework
  - 22 September 2015: Government Network
  - 29 October 2015: National Government Portal
• **YEAR-ENDER ACTIVITIES**
  - This event was held on December 7-9, 2015, which included presentations of the iGovPhil updates, Government Network, eGovernment Master Plan 2.0, Philippine Government Common Platform, eGovernment Framework, National Government Portal, Cybersecurity, Data Governance and Collaboration, and Policies (Memorandum Circulars on GovNet, PhOpenIx, AgRIS and ARMIS)
  - Number of Attendees:

<table>
<thead>
<tr>
<th>Category</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
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</thead>
<tbody>
<tr>
<td>National Government Agencies</td>
<td>59</td>
<td>35</td>
<td>22</td>
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<tr>
<td>Government Owned and Controlled Corporations</td>
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<td>4</td>
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<tr>
<td>Local Government Units</td>
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<td>2</td>
<td>0</td>
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<tr>
<td>State Universities and Colleges</td>
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<td>5</td>
<td>17</td>
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<tr>
<td>Private and others</td>
<td>25</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>Walk-ins</td>
<td>24</td>
<td>22</td>
<td>10</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>135</td>
<td>82</td>
<td>56</td>
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</tbody>
</table>

**GOVMAIL**
- GovMail Forum for Users and Non-Users, April 10, 2015
  - Attended by 46 government agencies, 101 participants
- GovMail Forum for Users and Non-Users, July 16, 2015
  - Users: attended by 13 government agencies, 24 participants
  - Non-users: attended by 23 government agencies, 46 participants

**PUBLIC KEY INFRASTRUCTURE**

<table>
<thead>
<tr>
<th>TITLE OF TRAINING</th>
<th>DATE / S</th>
<th>NUMBER OF AGENCIES</th>
<th>NUMBER OF PARTICIPANTS</th>
</tr>
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<tbody>
<tr>
<td>PKI Orientation</td>
<td>4/13/2015</td>
<td>8</td>
<td>24</td>
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<tr>
<td>PKI Orientation</td>
<td>4/20/2015</td>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>PKI User/IT Training (DOH)</td>
<td>Jan.22-23,2015</td>
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<tr>
<td>PKI User/IT training(BIR)</td>
<td>Feb.5-6,2015</td>
<td>1</td>
<td>18</td>
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<tr>
<td>PKI User/IT training(Congress)</td>
<td>Feb.16-17,2015</td>
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<td>25</td>
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<tr>
<td>PKI User Training(PEZA)</td>
<td>3/12/2015</td>
<td>1</td>
<td>44</td>
</tr>
<tr>
<td>PKI User/Help Desk Training</td>
<td>May 26-27, 2015</td>
<td>9</td>
<td>25</td>
</tr>
<tr>
<td>PKI RA Officers Training</td>
<td>June 29- July 3, 2015</td>
<td>1     (8 clusters of ICTO)</td>
<td>37</td>
</tr>
<tr>
<td>PKI RA Officers' Training - DOH</td>
<td>Aug. 3-7, 2015</td>
<td>DOH Central Office and all their Regional Offices</td>
<td>40</td>
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<tr>
<td>PKI User/IT training(BOC)</td>
<td>Sept.15-16, 2015</td>
<td>BOC</td>
<td>30</td>
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<tr>
<td>PKI User/Help Desk Training</td>
<td>Dec.2-4, 2015</td>
<td>9</td>
<td>21</td>
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</tbody>
</table>
ARMIS

- Programmers Training, March 11-13, 2015
  - Attended by 8 government agencies, 13 participants

- User’s Training, April 21-23, 2015; attended by ASTI, DILG, PhilGeps, OTS, Tanay, Heart Center
  - Attended by 6 government agencies, 23 participants

- ARMIS presentation to Pag-IBIG Fund, Philippine Textile Research Institute, National Commission for Culture and the Arts

ARAL

- User’s Training, April 29-30, 2015
  - Attended by 12 agencies, 24 participants

- Aral Training, October 27-28, 2015
  - Attended by 11 agencies, 17 participants

GOVERNMENT WEBSITE TEMPLATE

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DATES</th>
<th>CMS</th>
<th>Number of Agencies</th>
<th>Number of Participants</th>
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<tbody>
<tr>
<td>Web Development Training</td>
<td>March 23-27, 2015</td>
<td>Joomla</td>
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<td>Web Development Training</td>
<td>December 2-4, 2015</td>
<td>Joomla</td>
<td>14</td>
<td>25</td>
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<tr>
<td>Web Development Training</td>
<td>March 23-27, 2015</td>
<td>Wordpress</td>
<td>6</td>
<td>14</td>
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<tr>
<td>Web Development Training</td>
<td>December 2-4, 2015</td>
<td>Wordpress</td>
<td>11</td>
<td>19</td>
</tr>
</tbody>
</table>
GOVERNMENT PROJECT MANAGEMENT INFORMATION SYSTEM

- User’s Training, March 3-6, 2015
  - Attended by 5 government agencies, 19 participants

FORMS GENERATOR

- Agency Orientation on its Adoption, 14 April 2015
  - Attended by 11 government agencies, 15 participants

ENTERPRISE RESOURCE PLANNING

<table>
<thead>
<tr>
<th>Date of Training</th>
<th>Topic</th>
<th>List of agencies</th>
<th>Number of Participants</th>
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<tbody>
<tr>
<td>June 17, 10:00 AM – 12:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (Finance/Accounting)</td>
<td>16</td>
</tr>
<tr>
<td>June 17, 02:00 PM – 04:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (GSS/Records)</td>
<td>19</td>
</tr>
<tr>
<td>June 18, 10:00 AM – 12:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (Property)</td>
<td>10</td>
</tr>
<tr>
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<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (OED)</td>
<td>5</td>
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<tr>
<td>June 24, 10:00 AM – 12:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (SIMS)</td>
<td>13</td>
</tr>
<tr>
<td>June 24, 02:00 PM – 04:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (SIMS Batch 2)</td>
<td>16</td>
</tr>
<tr>
<td>June 25, 10:00 AM – 12:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (SIDS)</td>
<td>15</td>
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<tr>
<td>June 25, 02:00 PM – 04:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (SIDS Batch 2)</td>
<td>9</td>
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<td>July 2, 2015 10:00 AM – 12:00 PM</td>
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<tr>
<td>July 17, 2015 10:00 AM – 12:00 PM</td>
<td>PDS, Leave, Pass Slip, DTR Modules</td>
<td>ICTO (NCM)</td>
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<tr>
<td>June 10, 2015 02:00 PM – 04:00 PM</td>
<td>ERP System Demonstration</td>
<td>Governance Commission for GOCOs (GCG)</td>
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<td>September 18, 2015 02:00 PM – 05:30 PM</td>
<td>ERP System Demonstration</td>
<td>Subic Bay Metropolitan Authority (SBMA)</td>
<td>25</td>
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</table>
Marketing and Communication Vehicles
• Social Networking Sites
  o Facebook: 2,263 likes
  o Twitter: 140 followers

• Finished the development of the following promotional videos:
  o iGovPhil in a nutshell
  o Government Web Hosting Service
  o National Government Data Center
  o Philippine Public Key Infrastructure
  o Government-wide Email System
  Note: Please visit the iGovPhil channel for these videos: https://www.youtube.com/c/hanmel/UC2MMdGEXdCMPkxgdrBdXZg

• The following promotional videos are in the materials development stage, scripts and storyboards have already been approved and finalized:
  o Government Cloud
  o Agency Records and Inventory System
  o Archives and Records Management Information System
  o PhPay

• Developed the following collaterals:
  - hard cover notebook
  - katsa bag
  - Collared Polo Shirt
• Developed and printed the following pull-up and tarpaulin banners:
  o PeGIIIF
  o PGCP
  o iGovPhil generic
  o Policy Consultation
  o GovRoam and SSO
  o Kapihan ng mga Hepe
  o Gabay Aral

People Behind iGovPhil Project

Luis Napoleon C. Casambre
Executive Director

Denis F. Villorente
Deputy Executive Director

Antonette T. Torres
Project Manager