Improving transparency through innovation in e-Governance :

Government Cloud Computing: A transparency and efficiency perspective
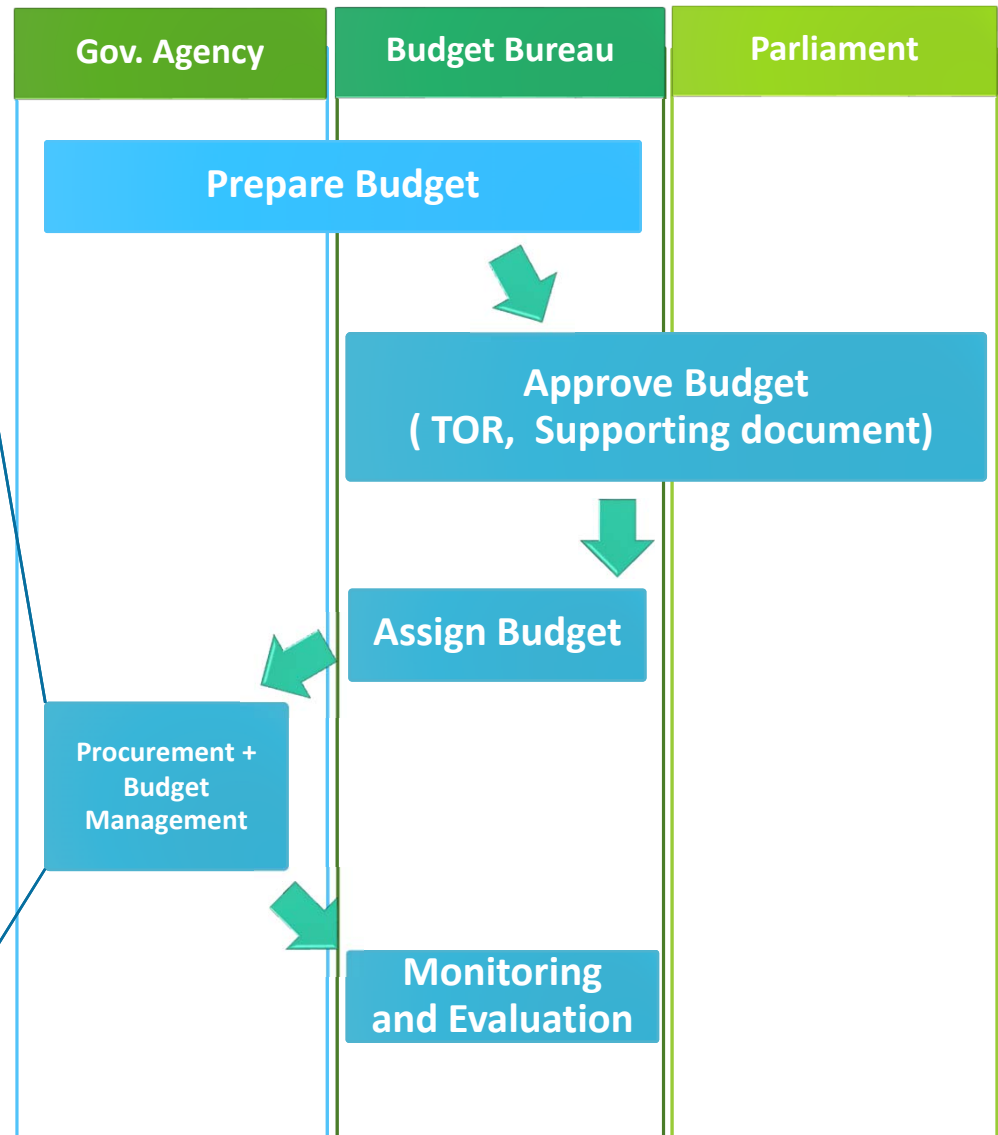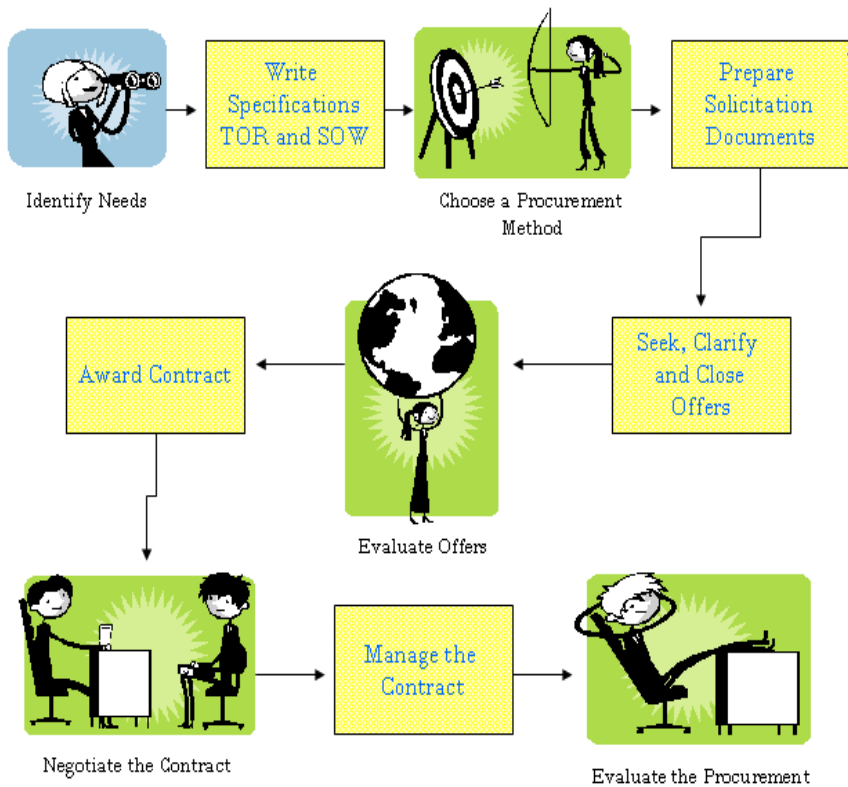
Dr.Sak Segkhoonthod
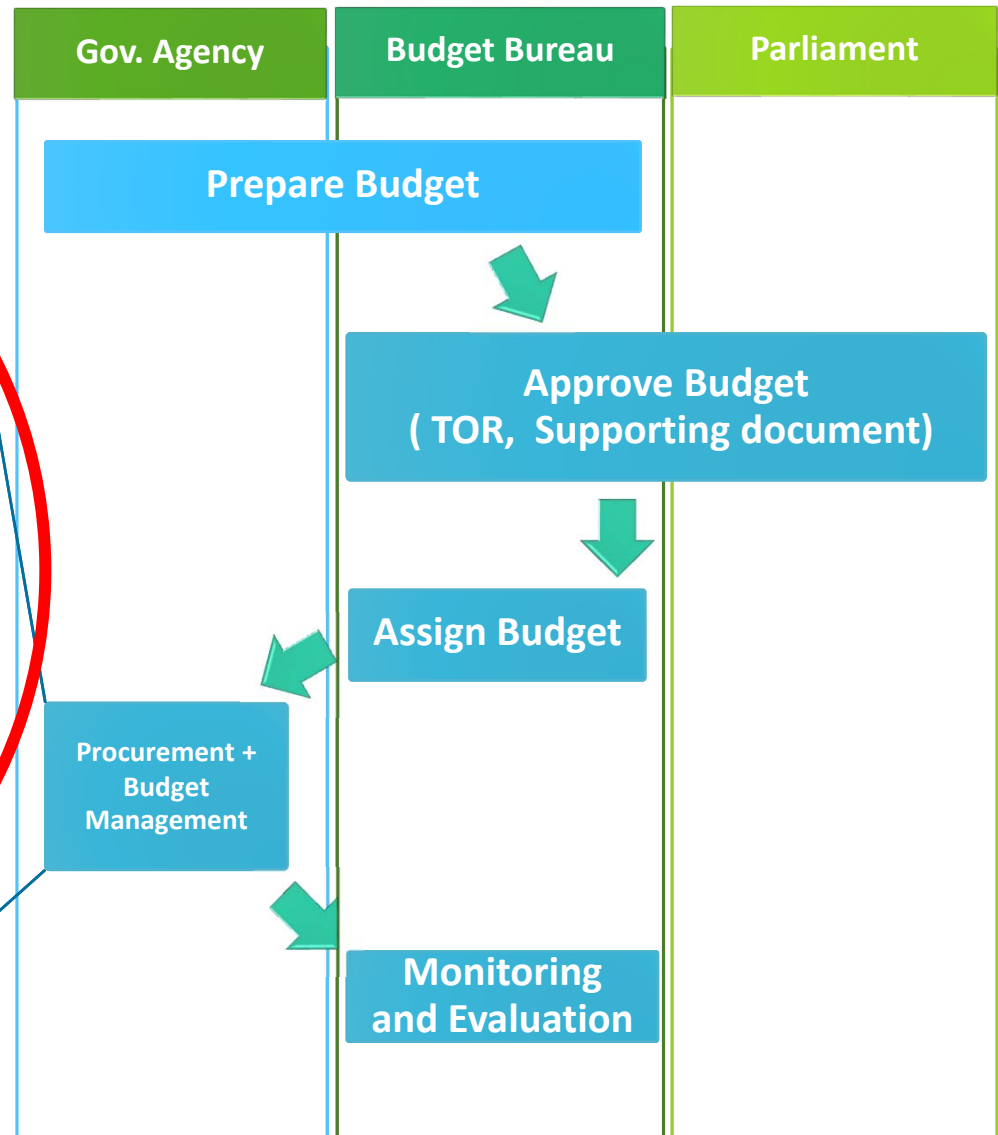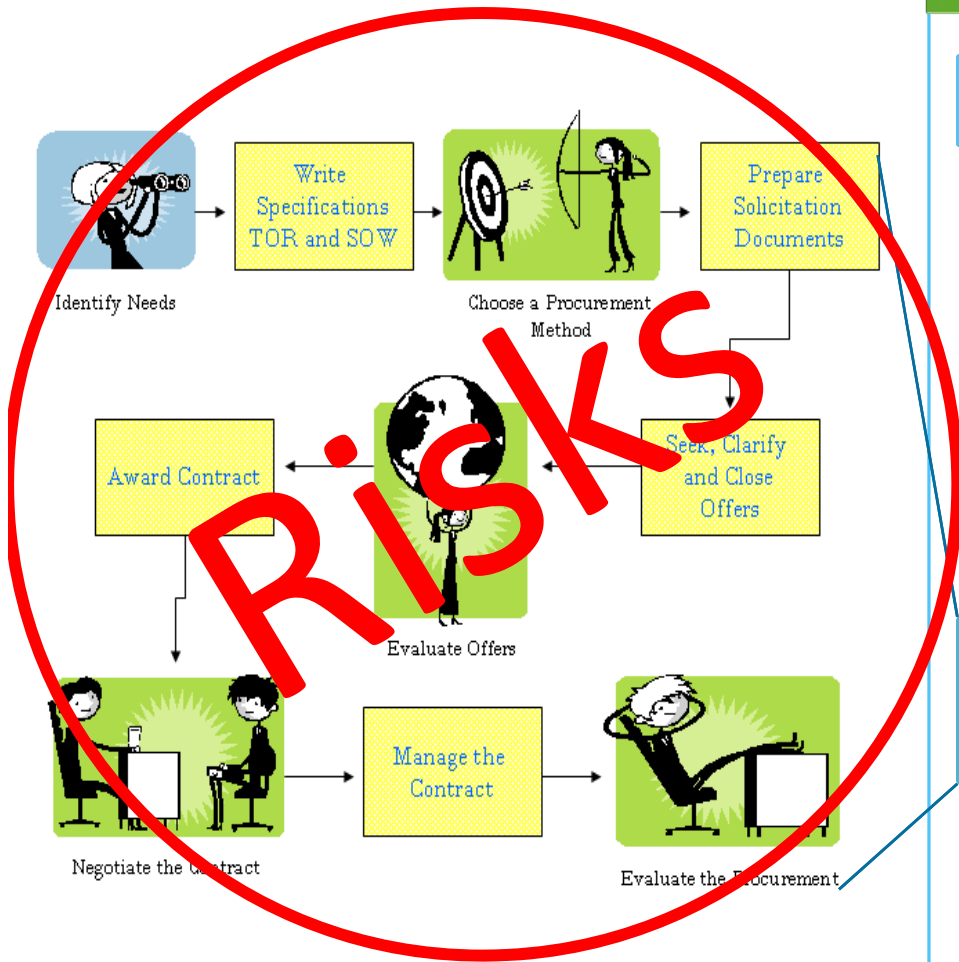**Electronic Government Agency (Public Organization)**

Topic

➢ **Typical Government Budget Process**

➢ **G-Cloud**

➢ **ROI of G-Cloud**

➢ **Software as a Service**

➢ **Summary of G-Cloud Benefits**

Typical Government Budget Process

Gov. Agency	Budget Bureau	Parliament

Prepare Budget

Approve Budget
(TOR, Supporting document)

Assign Budget

Procurement + Budget Management

Monitoring and Evaluation

Identify Needs → Write Specifications TOR and SOW → Choose a Procurement Method → Prepare Solicitation Documents

Award Contract ← Evaluate Offers ← Seek, Clarify and Close Offers

Negotiate the Contract → Manage the Contract → Evaluate the Procurement

Gov. Agency | Budget Bureau | Parliament

Prepare Budget

Approve Budget
(TOR, Supporting document)

Assign Budget

Procurement +
Budget
Management

Monitoring
and Evaluation

Risks

Write Specifications TOR and SOW

Identify Needs

Choose a Procurement Method

Prepare Solicitation Documents

Seek, Clarify and Close Offers

Award Contract

Evaluate Offers

Negotiate the Contract

Manage the Contract

Evaluate the Procurement

G-Cloud

EGA's responsibilities: PMO

- Data Call
- Requirements
- Interests & Feedback

- Cloud Computing Vision / Mission
- Information Portal
- Market Research / Use Cases
- Policies and Guidelines
- Enterprise Architecture
- Procurement Support
- Information Dissemination
- Virtual Online Summits

- Security Requirements
- Standards Requirements
- SLAs

Government Agency

EGA
PMO

- Standards Requirements
- Security Processes
- Procurement Approaches
- Best Practices
- Gov-wide Communications

Vendors (Ex:CAT, TOT)

- Direction and Guidance
- Facilitation
- Schedule and Coordination

Working Group

Security

Standards

CSA Chapter Thailand

Cloud Computing Working Groups

- Compliant Services and Offerings
- Input to Standards
- Collaboration on Developing Standards & Best Practices
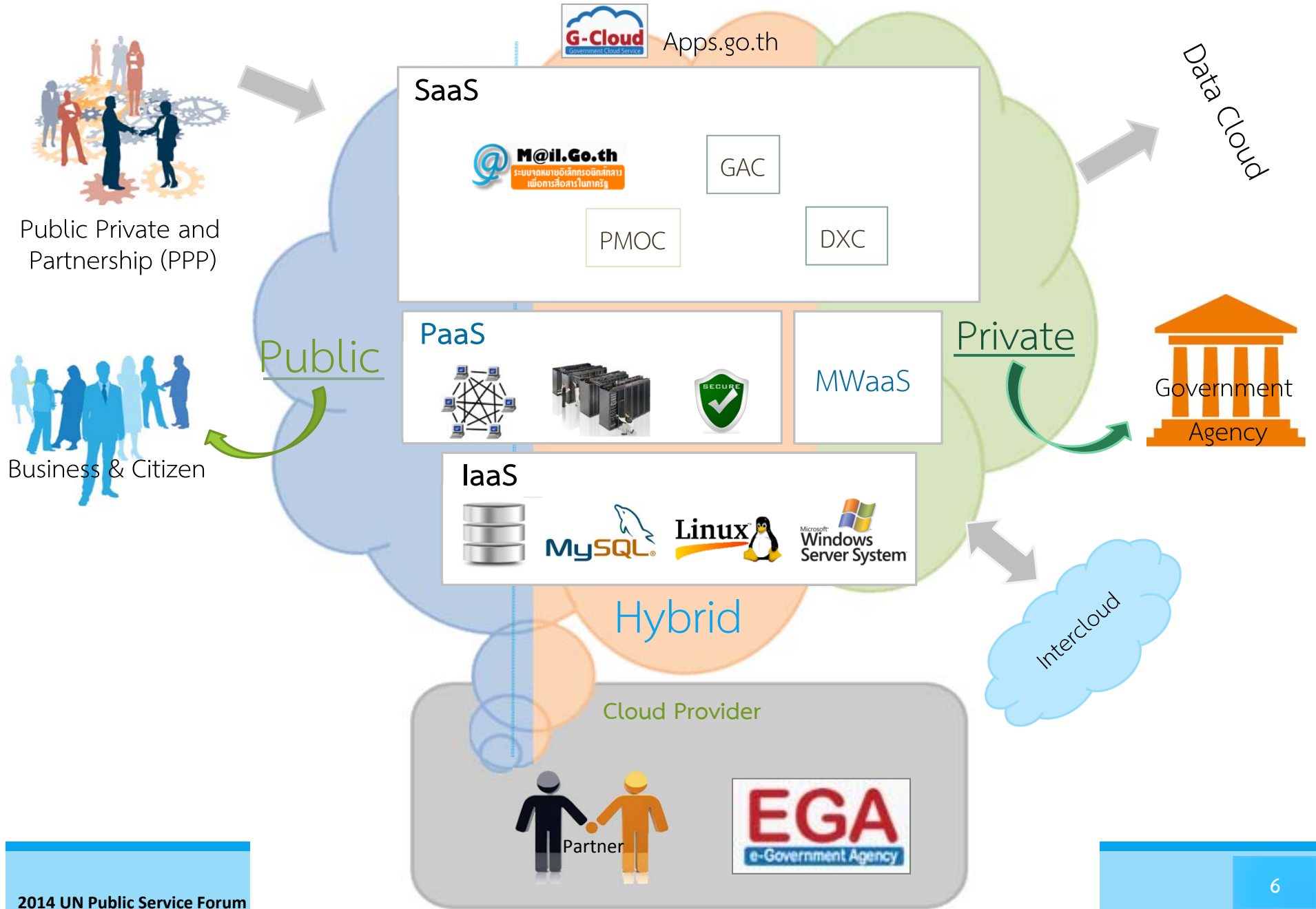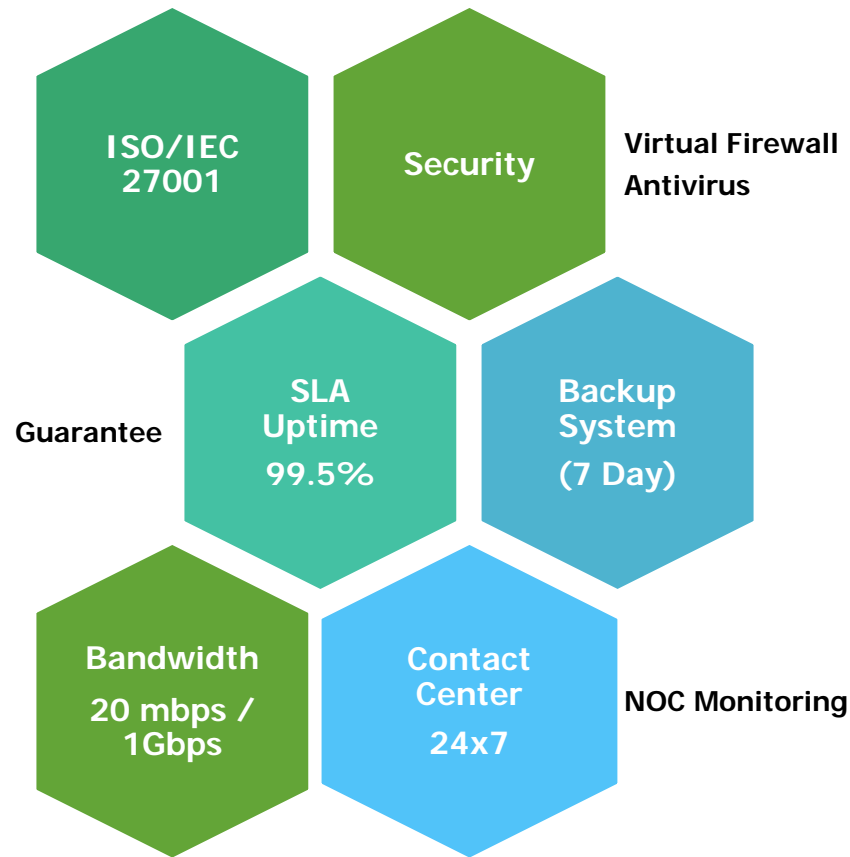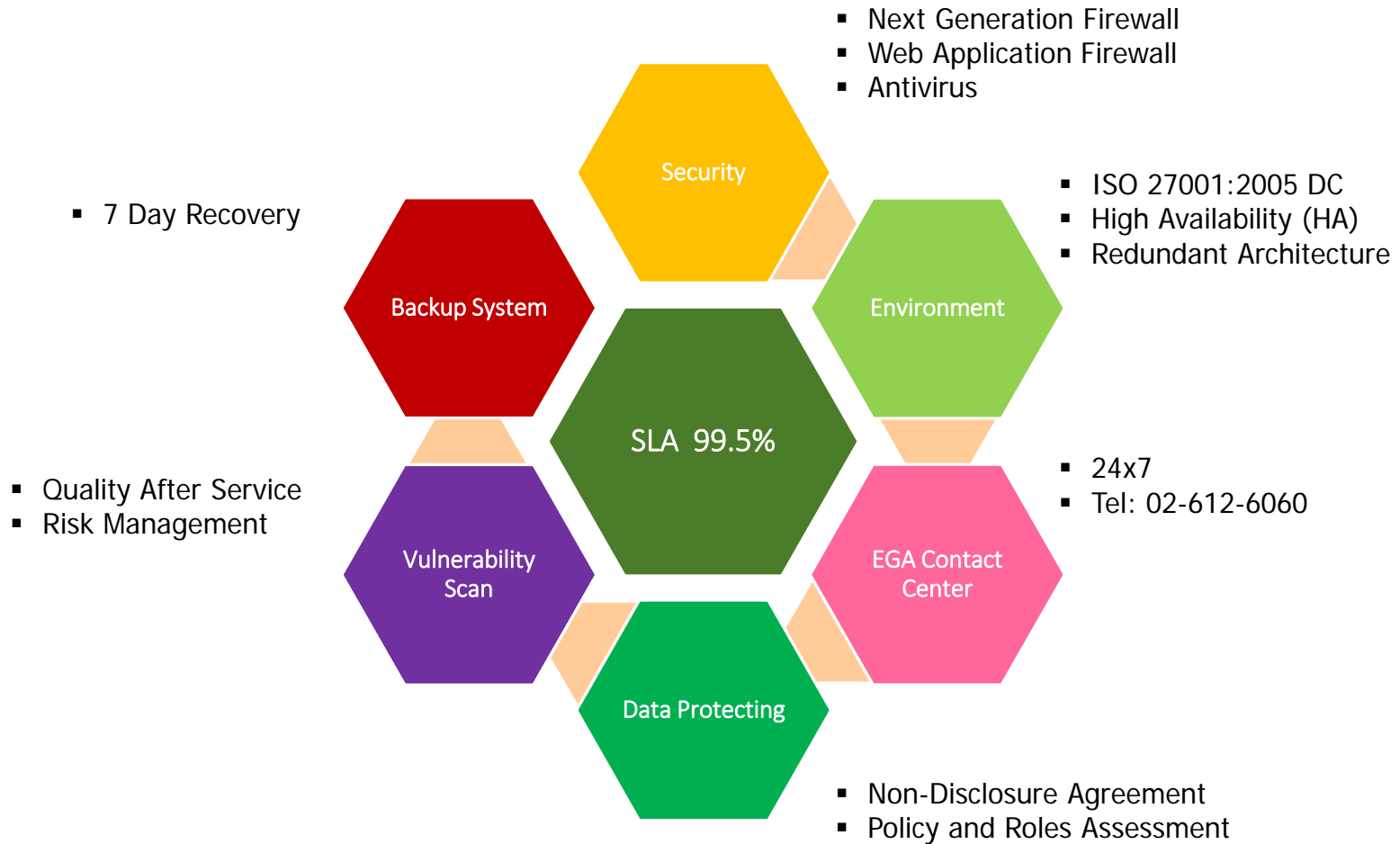
CAT : CAT TELECOM PUBLIC COMPANY LIMITED (Communications Authority of Thailand)
TOT : TOT PUBLIC COMPANY LIMITED (Telephone Organization of Thailand)
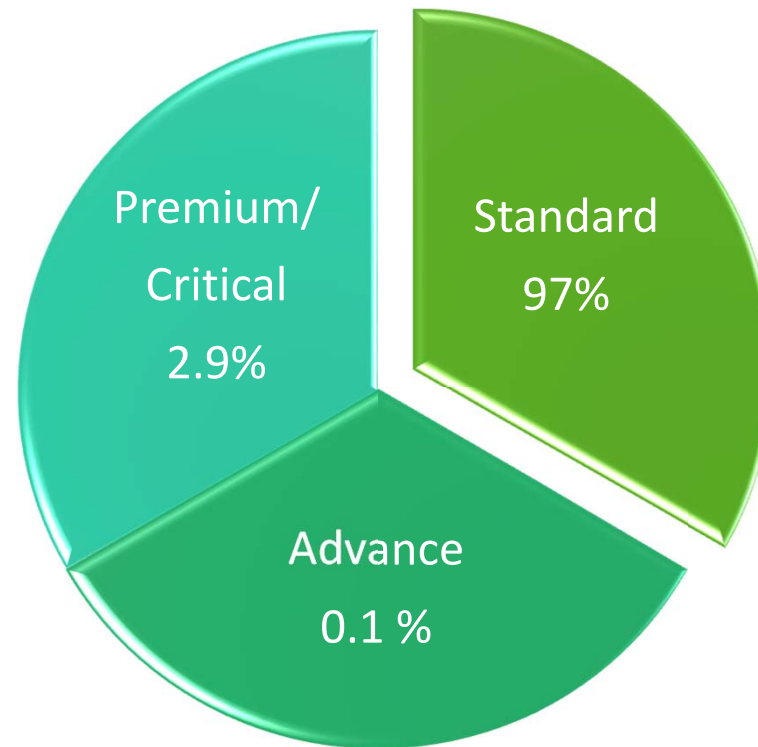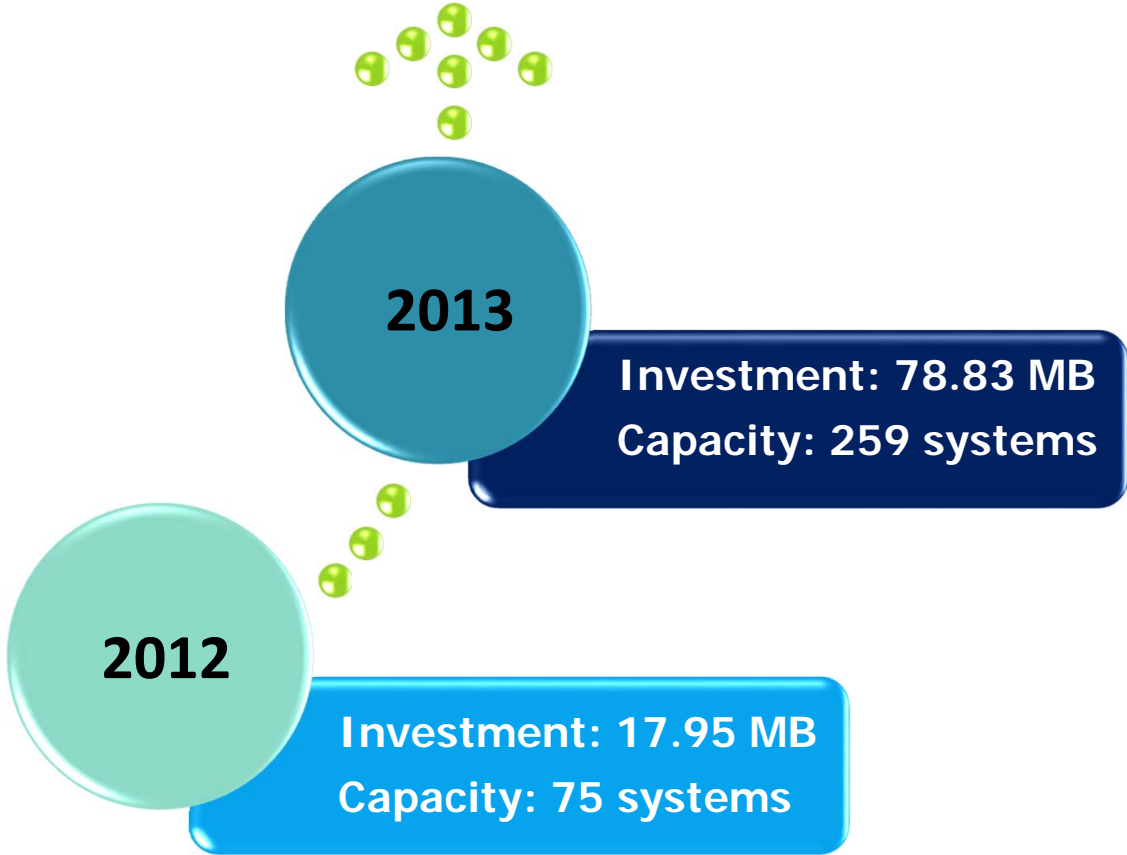
G-Cloud Services

G-Cloud
Government Cloud Service

Apps.go.th

Data Cloud

SaaS

M@il.Go.th
ระบบจุดหมายอิเล็กทรอนิกส์กลาง
เพื่อการสื่อสารในภาครัฐ

GAC

PMOC

DXC

Public Private and
Partnership (PPP)

PaaS

SECURE

MWaaS

Private

Government
Agency

Public

Business & Citizen

IaaS

MySQL

Linux

Microsoft
Windows
Server System

Hybrid

Intercloud

Cloud Provider

Partner

EGA
e-Government Agency

G-Cloud Standard

ISO/IEC 27001

Security

Virtual Firewall
Antivirus

Guarantee

SLA Uptime 99.5%

Backup System (7 Day)

Bandwidth 20 mbps / 1Gbps

Contact Center 24x7

NOC Monitoring

Trust

- Next Generation Firewall
- Web Application Firewall
- Antivirus

- ISO 27001:2005 DC
- High Availability (HA)
- Redundant Architecture

- 7 Day Recovery

Security

Backup System

Environment

SLA 99.5%

- 24x7
- Tel: 02-612-6060

- Quality After Service
- Risk Management

Vulnerability Scan

EGA Contact Center

Data Protecting

- Non-Disclosure Agreement
- Policy and Roles Assessment

Category of G-Cloud Services

Premium/Critical = Importance System/High Critical/High SLA/Support DR
Standard = Internal System/No critical
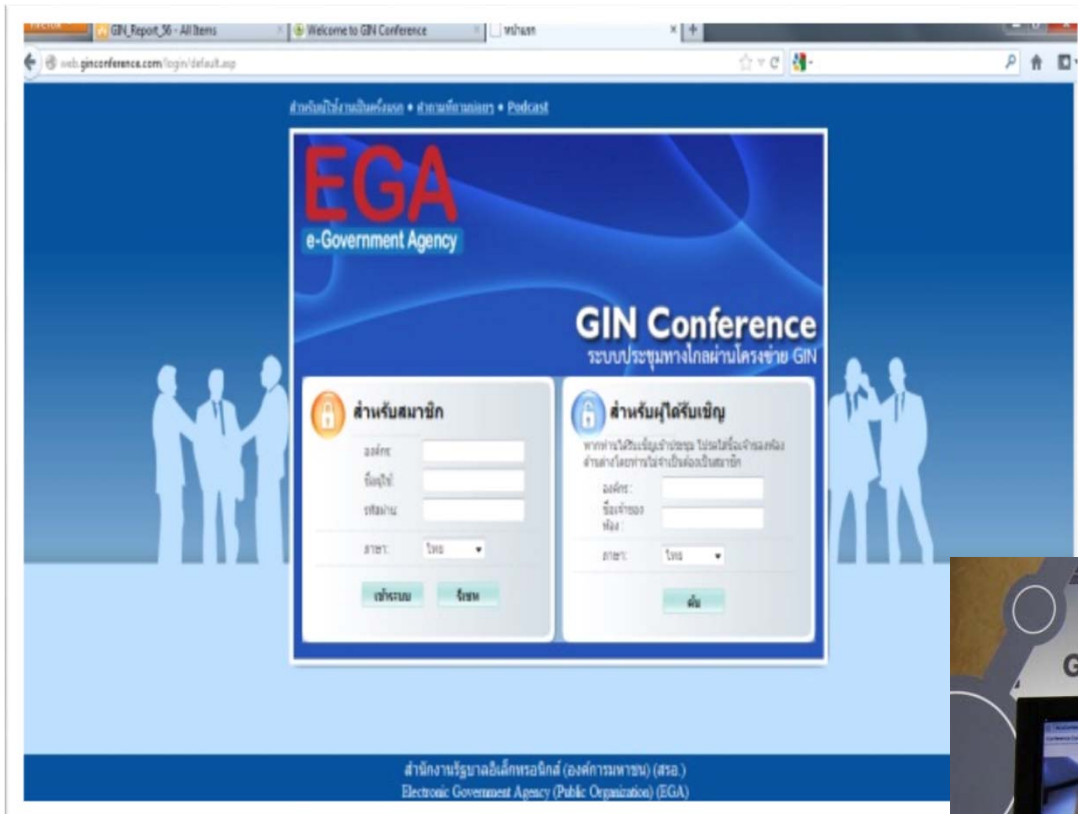Advance = Importance System/High Critical/non support DR
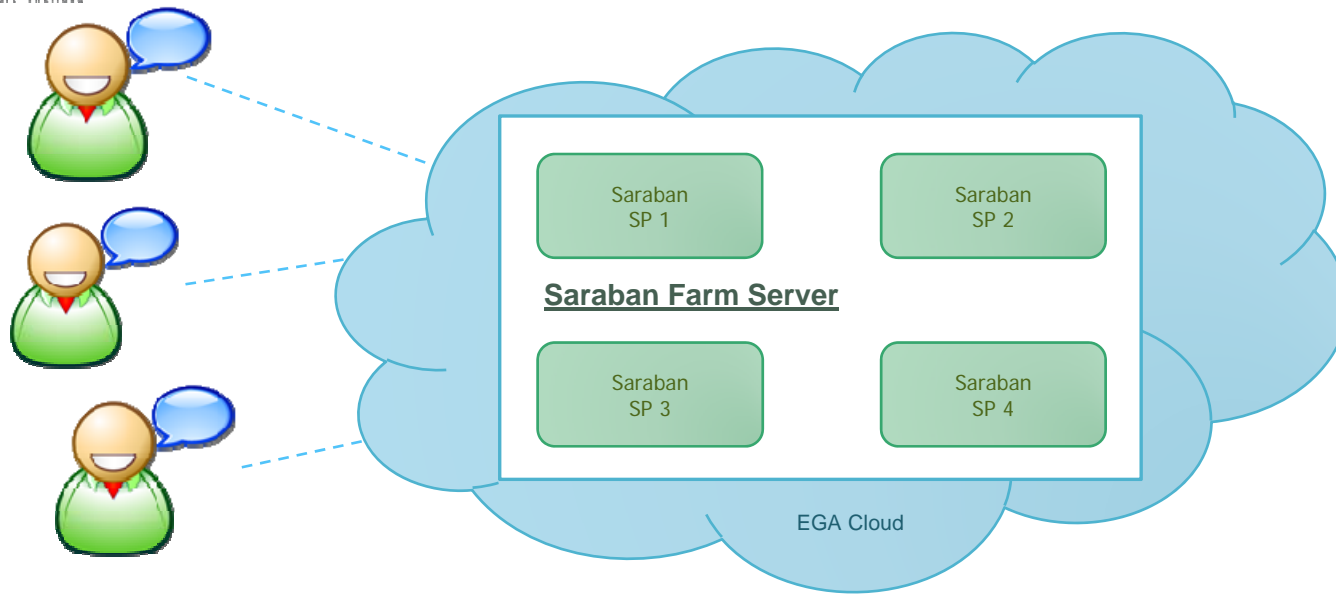
Update : 16th June 2014

ROI of G-Cloud

2013

Investment: 78.83 MB
Capacity: 259 systems

2012

Investment: 17.95 MB
Capacity: 75 systems
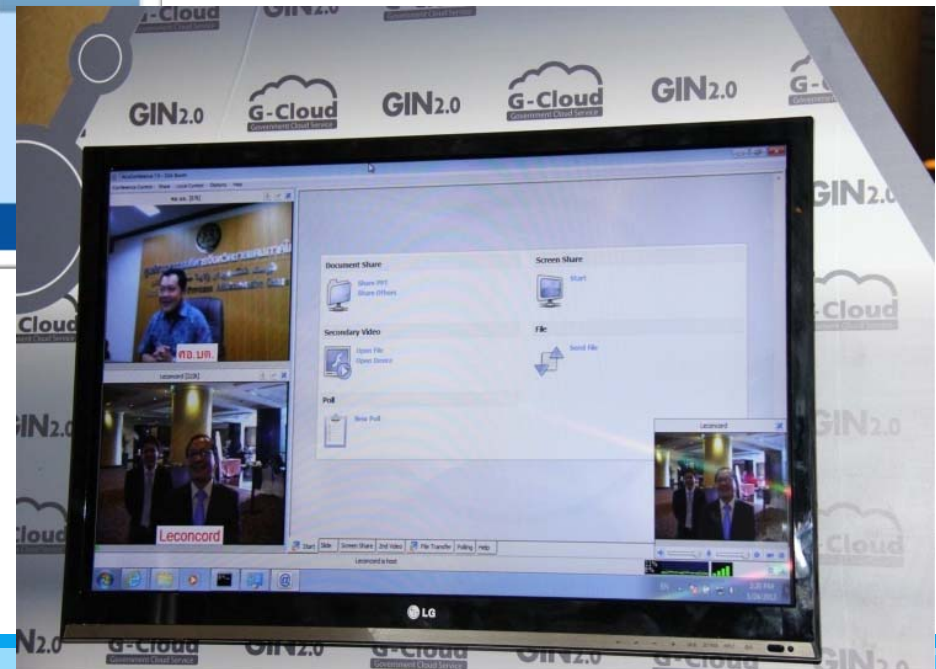
✓ Saraban as a Service

Saraban Farm Server
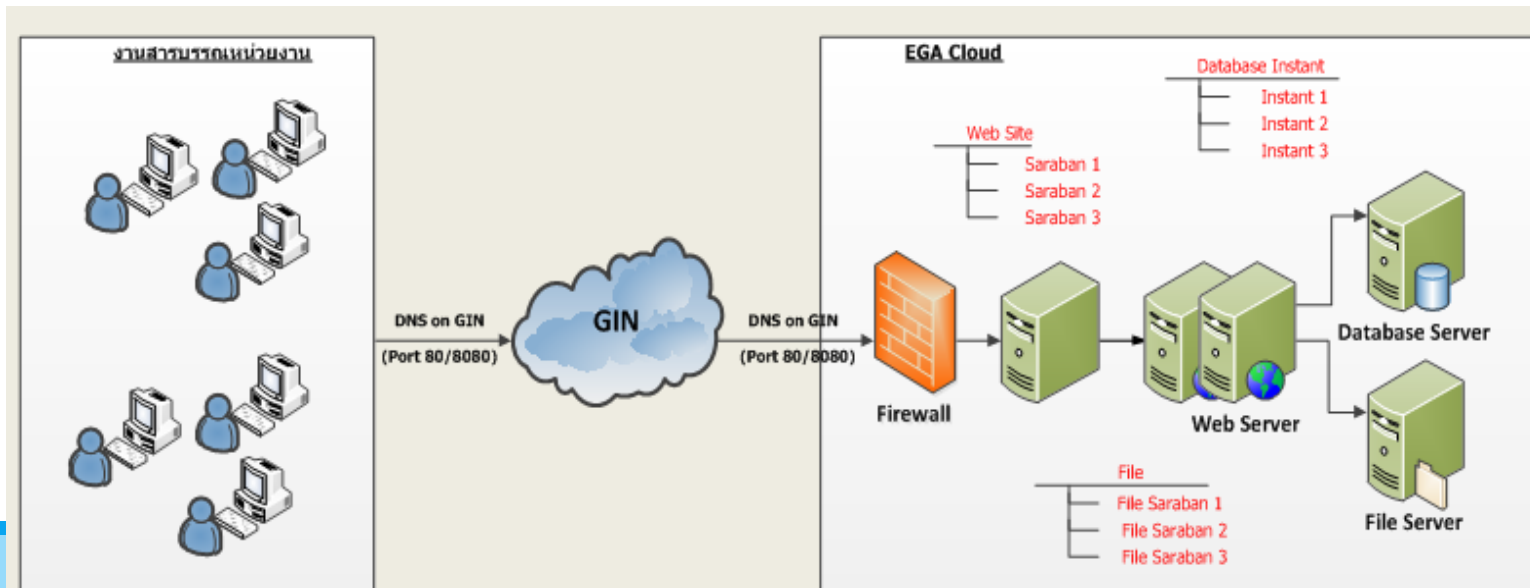
- Saraban SP 1
- Saraban SP 2
- Saraban SP 3
- Saraban SP 4

EGA Cloud

Saraban = Correspondence Management Services

Architecture of Saraban as a service on EGA Cloud
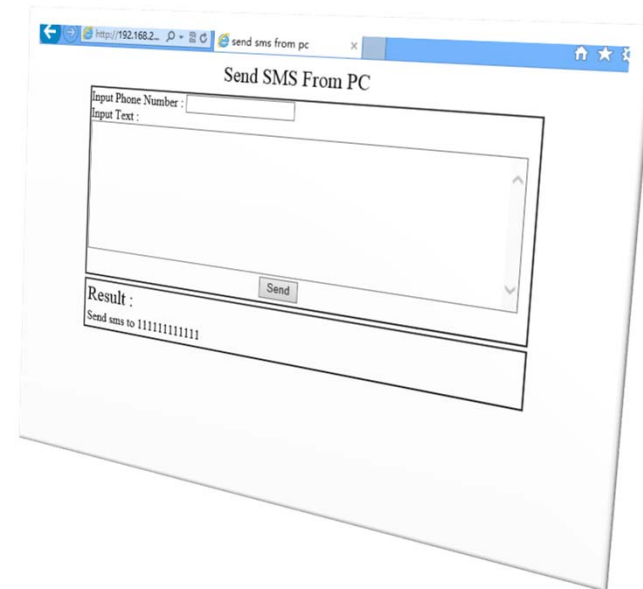
✓ **SMS as a Service**

https://sms.ega.or.th

Service API

Summary of G-Cloud Benefits

✓ Reduce redundancy on Hardware, People ware, Place

✓ Reduce Government Cost : reduce the redundancy of IT Infrastructure

   by sharing

✓ Reduce time for purchasing and implementing

✓ On demand services: Any Facility Anywhere Any time

Thank you

www.ega.or.th

EGANews

www.facebook.com/itegov