
Security Engineer Training Course #1

Agenda

- ❖ Course Overview
- ❖ Objectives
- ❖ Contents
- ❖ Agreement

About EGA

- ❖ Electronics Government Agency (Public Organization)
- ❖ First established in 1997 as Government Information Technology Services (GITS)
- ❖ ~ 200 staffs
- ❖ Mainly focus on providing IT infrastructure to the Government of Thailand
- ❖ Vision
 - ❖ Enabling Complete and Secure E-Government



Our Services (Examples)

- ❖ Government Information Network (GIN)
- ❖ Government Cloud Services (G-Cloud)
- ❖ Government Computer Emergency and Readiness Team (G-CERT)
- ❖ MailgoThai service
- ❖ Government App Center (GAC)
- ❖ Government Big/Open Data (data.go.th)
- ❖ National Data Center
- ❖ More details : <http://www.ega.or.th>





Government Computer
Emergency and Readiness
Team (G-CERT)

Risk Assessment

Incident Monitoring

Information Analysis

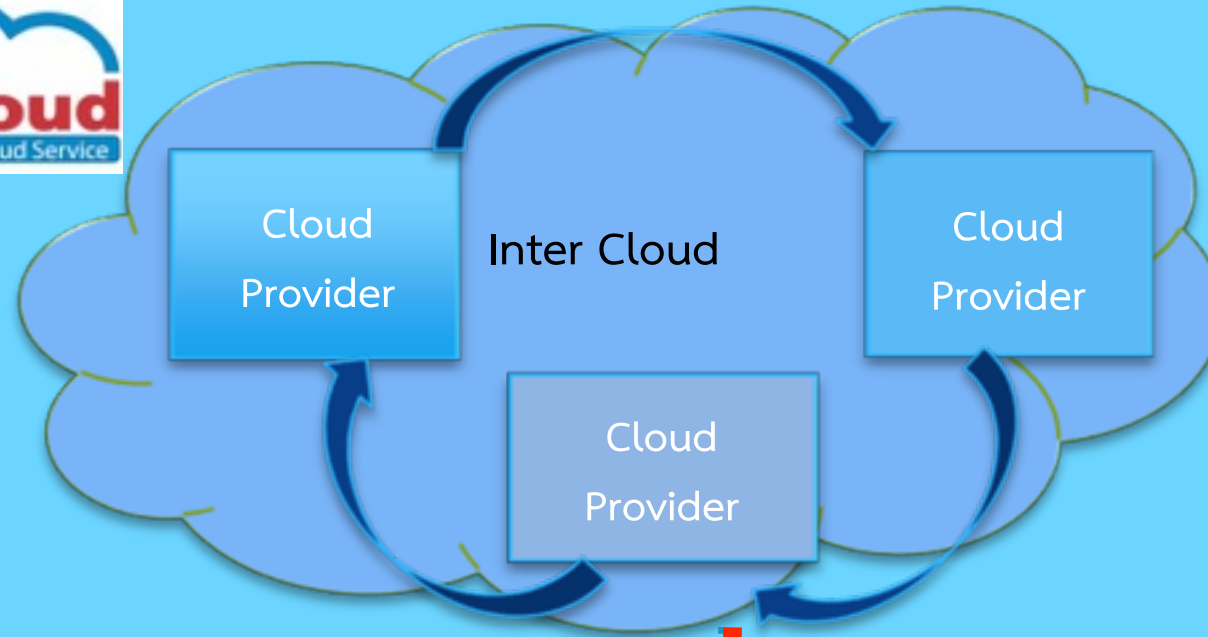
Response Team

Awareness Raising

Services



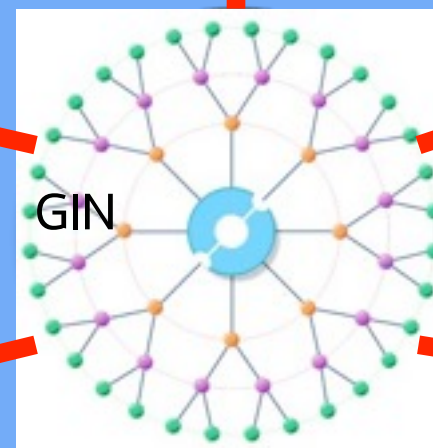
Other Government's services



SaaS
PaaS
IaaS



Government Agency



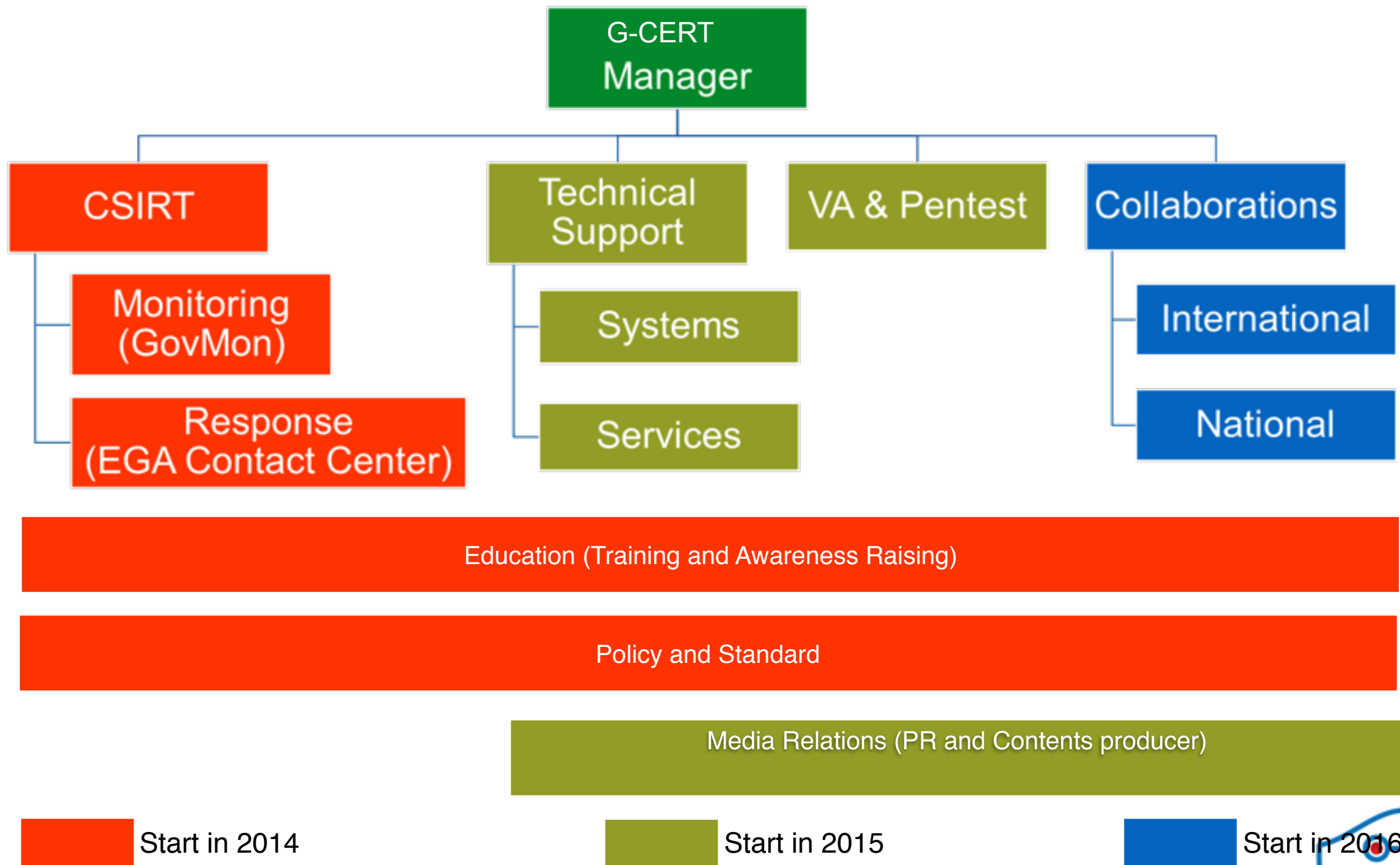
Government Agency



EGA Contact Center
24x7 Helpdesk and Contact Center

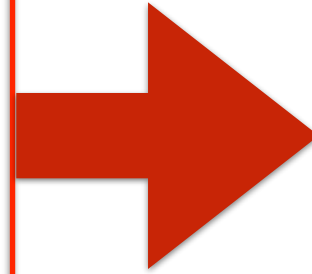


G-CERT 's Roadmap



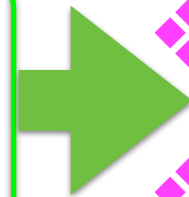
G-CERT 's constituencies

- ❖ EGA Internal
- ❖ EGA 's customers
 - ❖ G-Cloud
 - ❖ GIN
 - ❖ other services



- ❖ Notify
- ❖ Advisory
- ❖ On-call/site Consulting

- ❖ Critical Infrastructures
- ❖ Government



- ❖ Notify
- ❖ Advisory

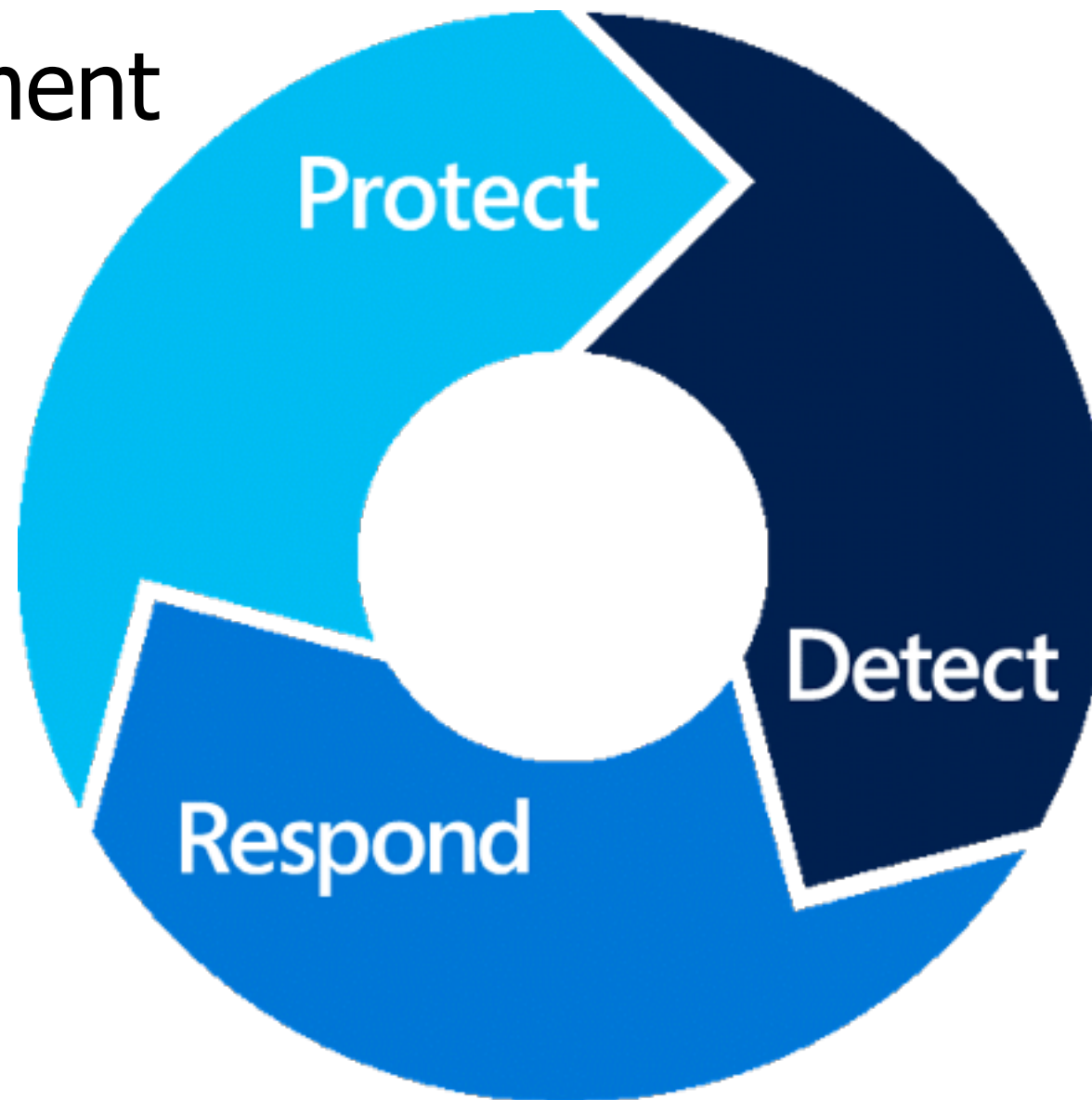
Our Concept

- ❖ Public - help the government
- ❖ Private - by working with vendors
- ❖ Partnership - collaborate with other CERT and other IT communities



G-CERT 's services

- ❖ Risk Management
- ❖ Securely Design
- ❖ Vulnerability Management



- ❖ Threats monitoring
- ❖ Security Operation

- ❖ Incident Response/Handling
- ❖ Security Consulting
- ❖ Security Training, Workshop and Drills

Free IT Security Educations for Gov.

- ❖ Training courses
- ❖ Incident Drills
- ❖ Conferences



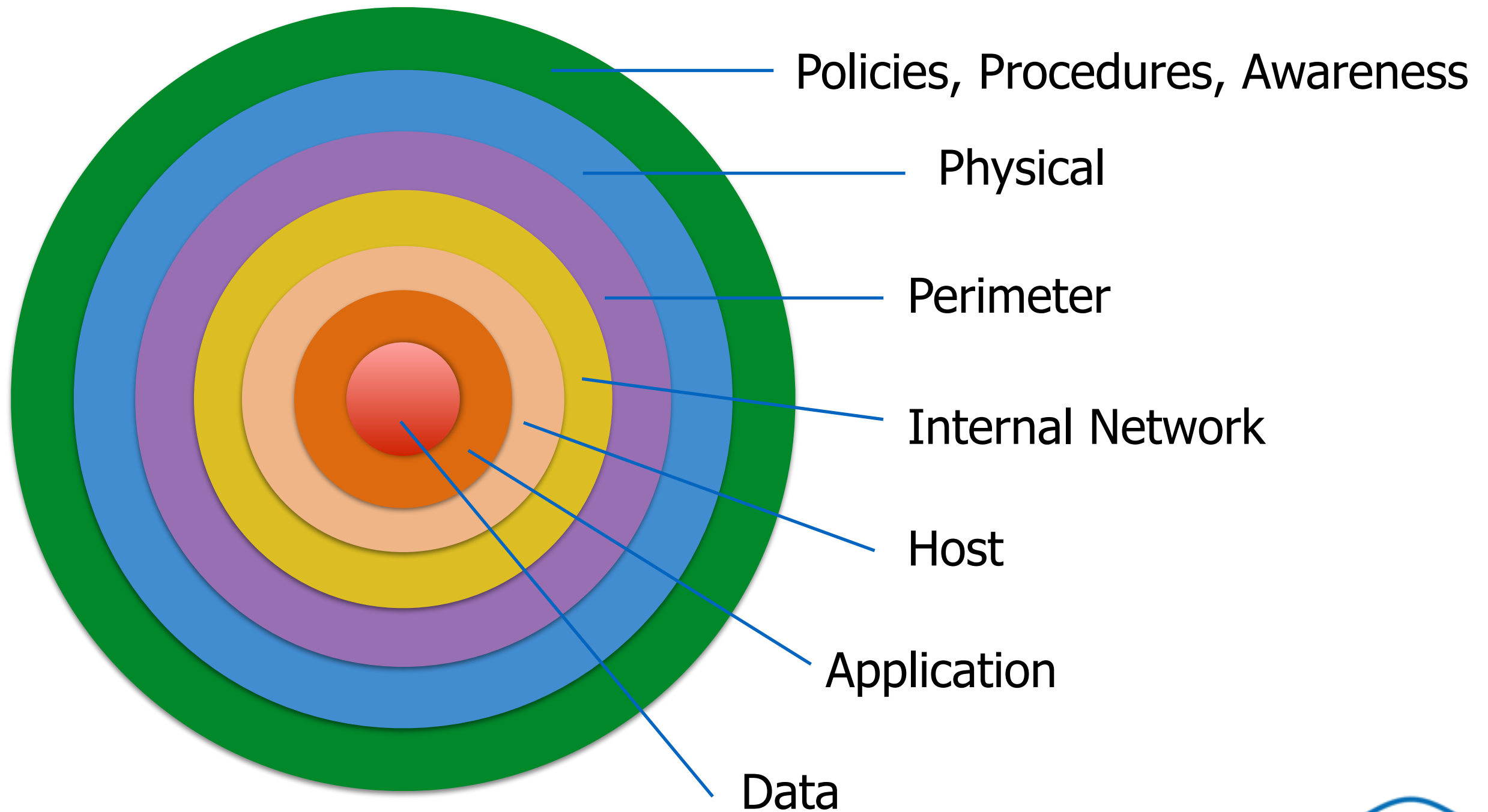
Introduce yourself

- ❖ Name or Nickname
- ❖ Organization
- ❖ Background
- ❖ Expectations

Course Overview

- ❖ 10 Days training course
 - ❖ 8 days for lecturing
 - ❖ 2 days for incident drill
- ❖ Lecture and Hands-on training type
- ❖ Venues
 - ❖ Software Park Building
- ❖ Instructors
 - ❖ All from G-CERT (EGA)

The Concept of this course



Course Objectives

- ❖ Understand how Security is important
- ❖ Understand Risk Analysis
- ❖ Understand how to Hardening System and Network
- ❖ Understand more security technology
 - ❖ Firewall, Reverse Proxy and DNSSec
- ❖ Understand how to secure web application
- ❖ Exchange knowledge among participants and EGA

Contents

- ❖ Policies, Procedures, Awareness
- ❖ Network Security & Vulnerability Assessment Management
- ❖ Firewall (pfSense)
- ❖ DNSSEC & VPN Secure
- ❖ Linux Hardening (OS & Services)
- ❖ Reverse Proxy (NGINX)
- ❖ Windows Hardening (OS & Services)
- ❖ Application & Data Security
- ❖ Incident Drill : Web Hacking & DDos

Agreements

- ❖ Attend more than 80%
 - ❖ “Training” - not teaching (2 ways communication)
 - ❖ Participate in every activities in and out of the class
 - ❖ Relax and feel free to discuss
 - ❖ Keep in touch after the class
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- ❖ All documents are provided at <https://www.ega.or.th/th/contentlist/930/11424/>