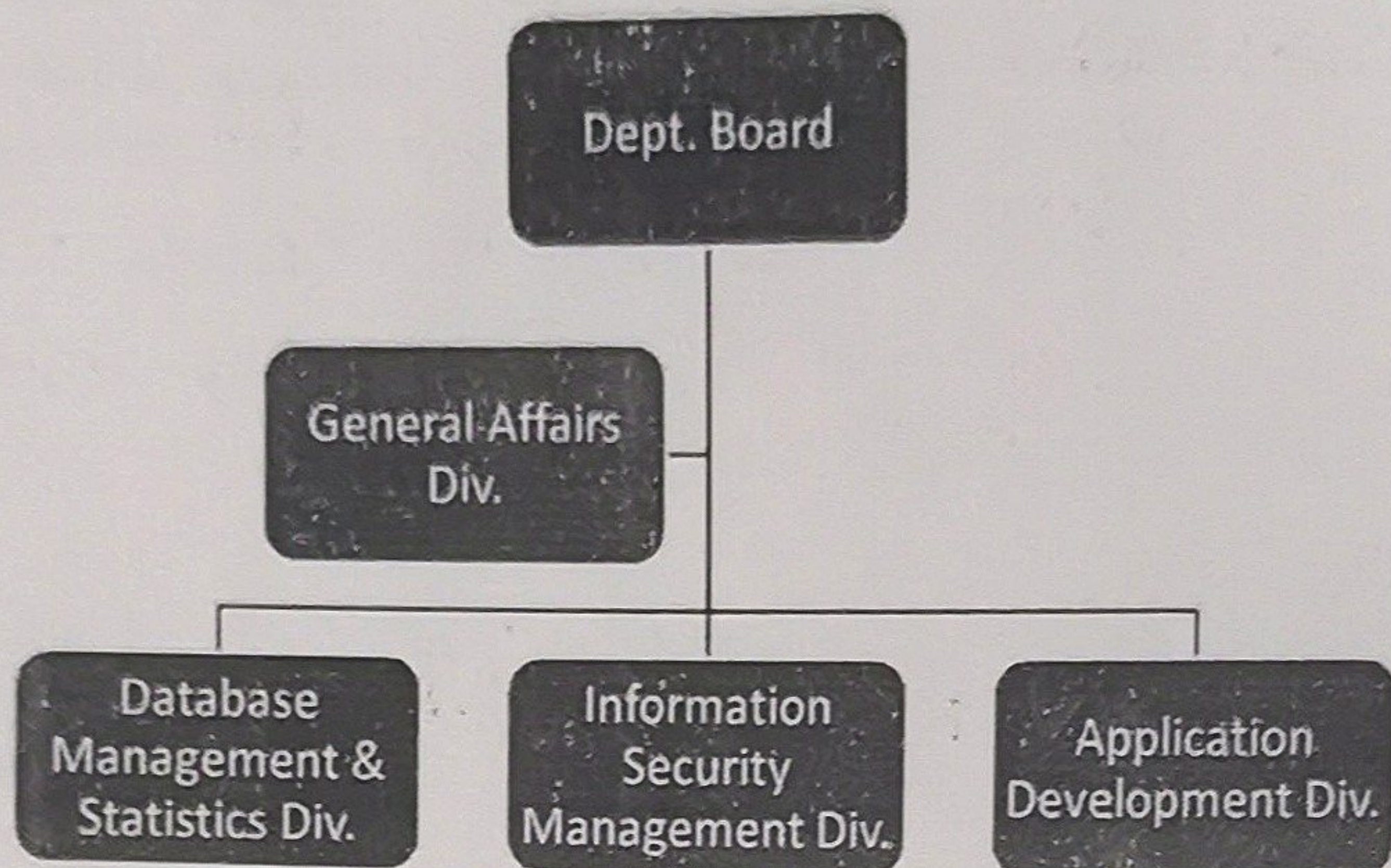
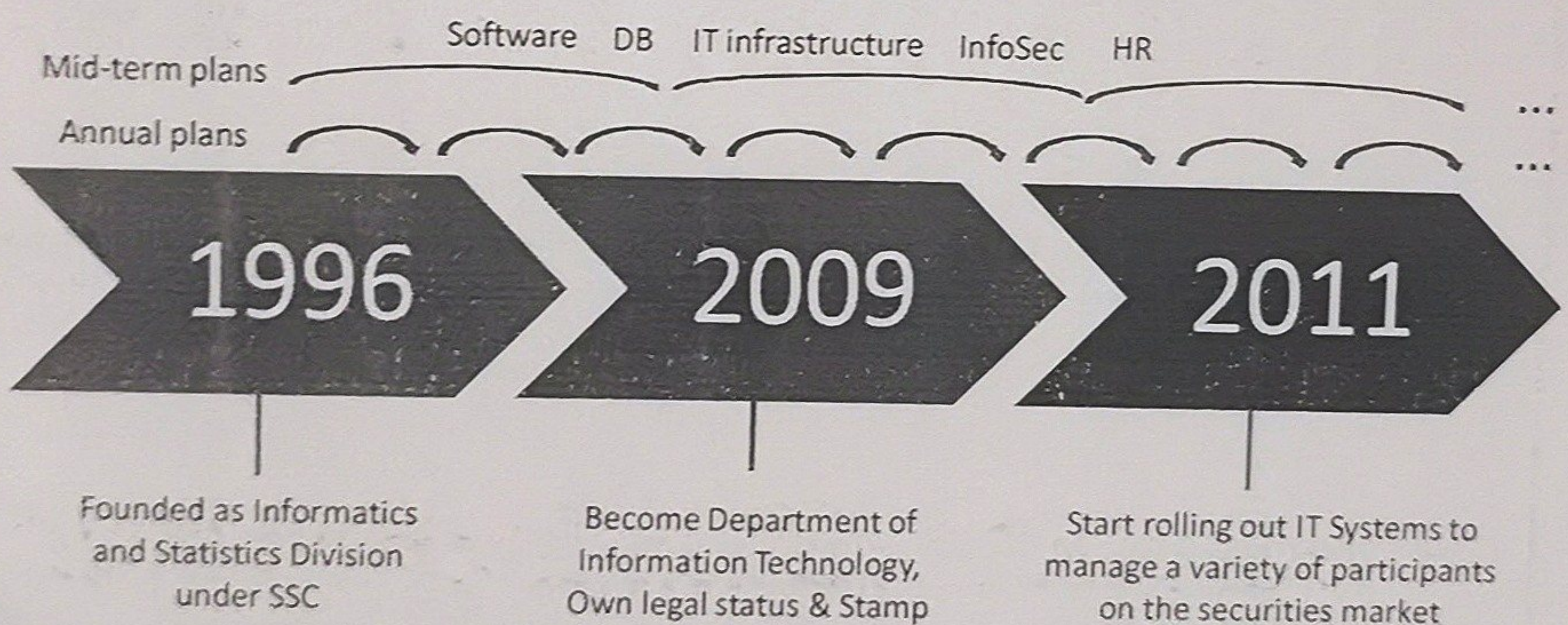




## Department of IT – Org structure



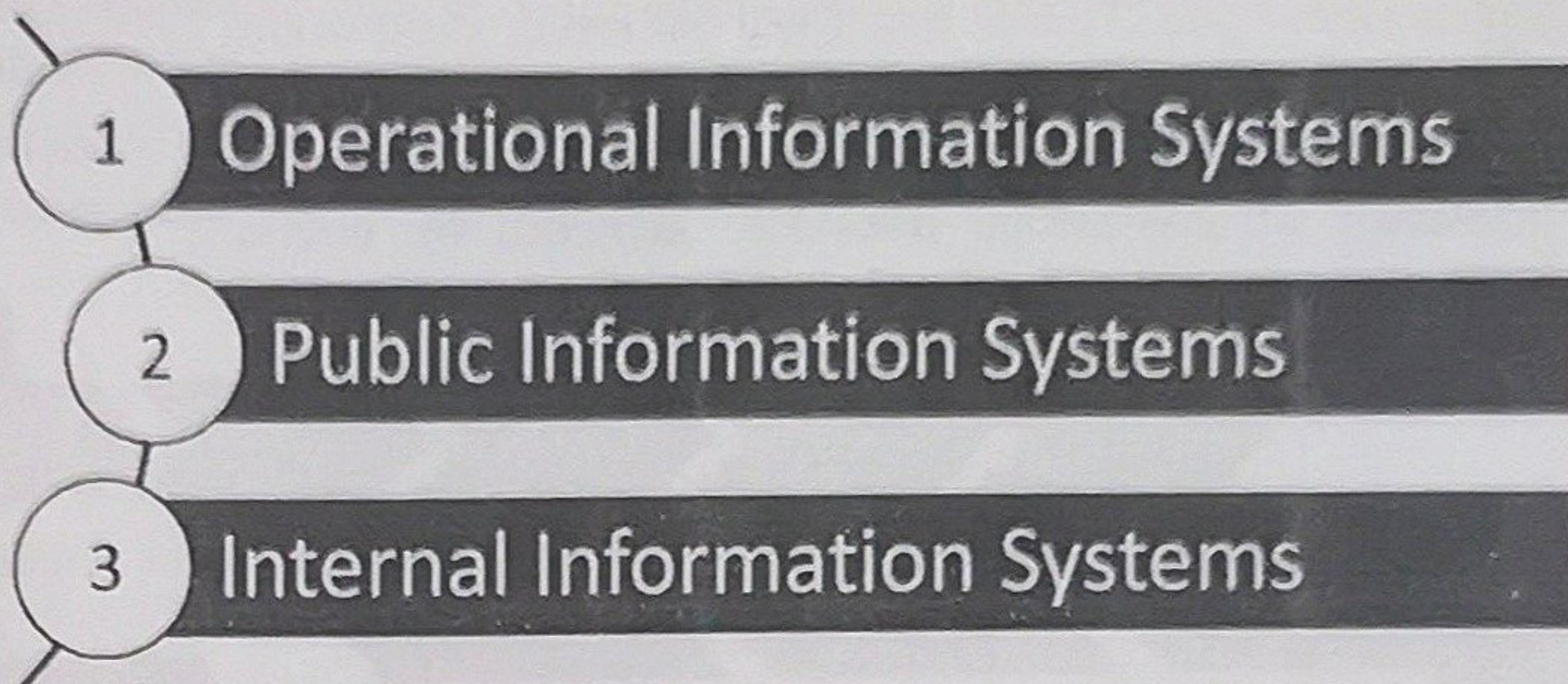
## Department of IT – at a glance



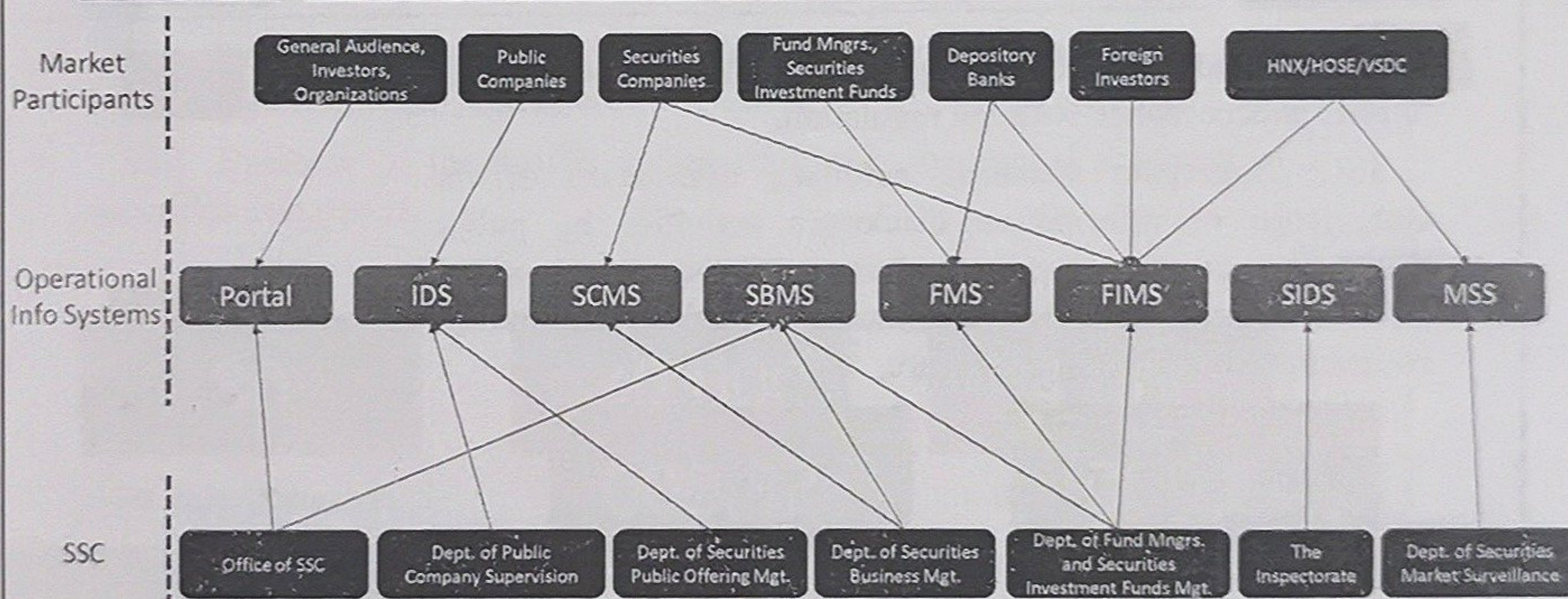




## Information Systems



## 1. Operational Information Systems

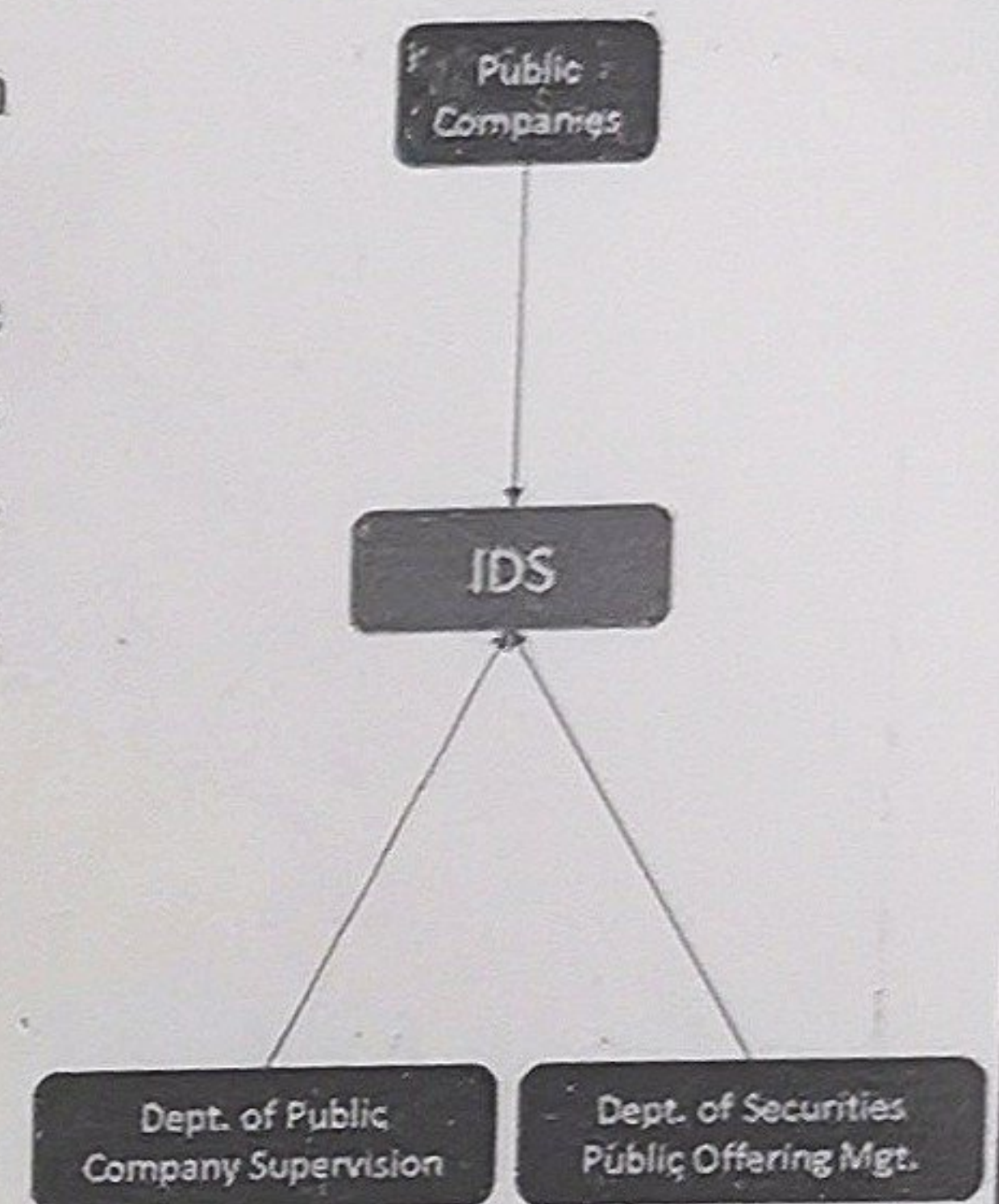
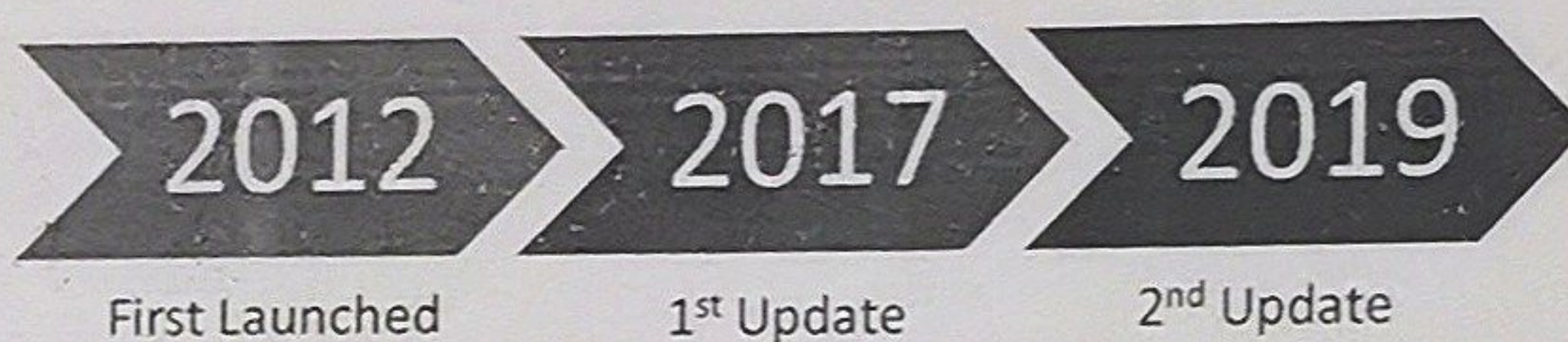






## Information Disclosure System (IDS)

- Public Companies: Tool to report and disclosure information to SSC in accordance with the regulation.
- SSC: Aggregate statistics, automate calculation of the compliance of information disclosure activities by public companies, generate reports and statistics that accommodate SSC's managing and surveillance function on public companies' information disclosure.



## Information Disclosure System (IDS)

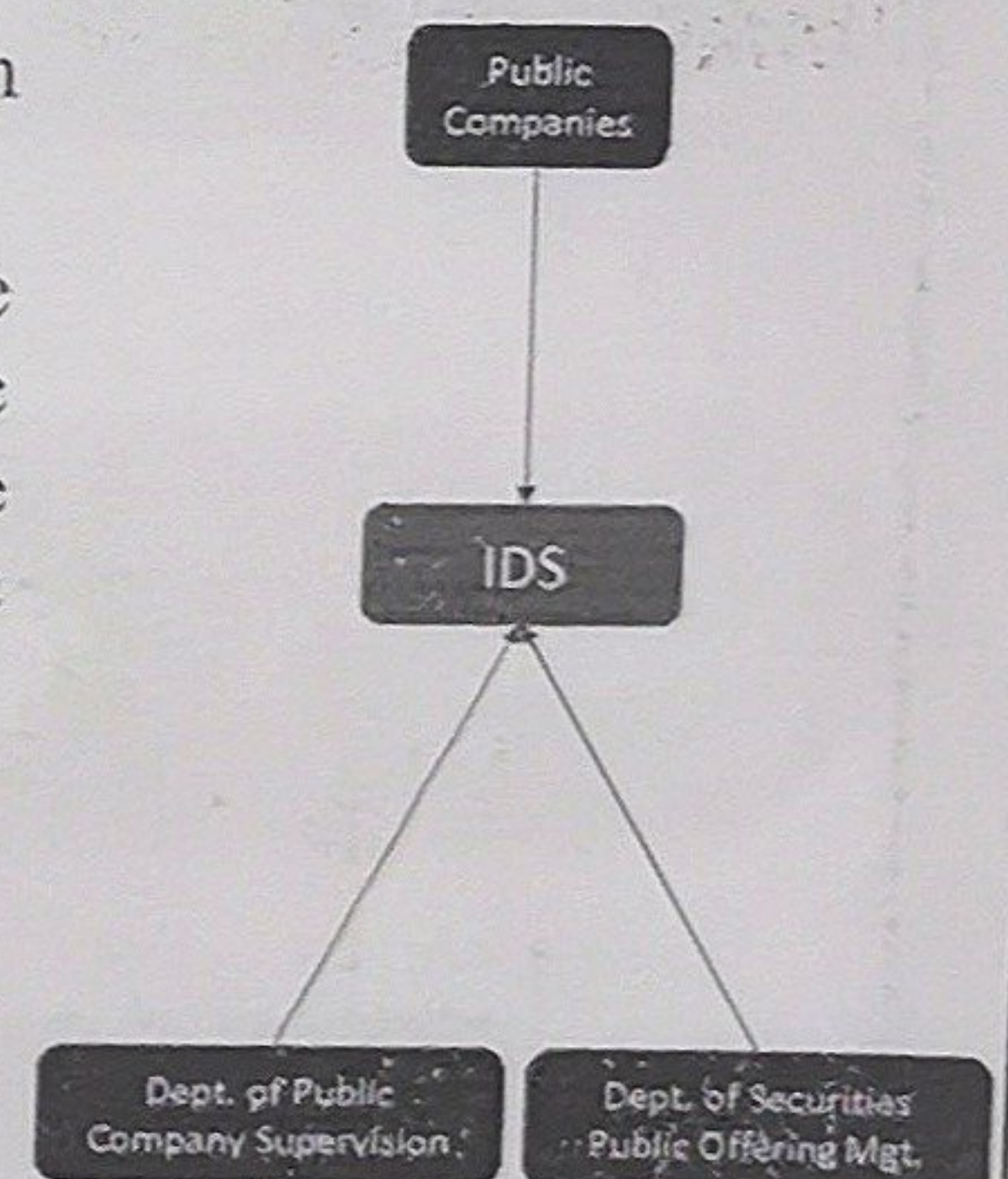
- Public Companies: Tool to report and disclosure information to SSC in accordance with the regulation.
- SSC: Aggregate statistics, automate calculation of the compliance of information disclosure activities by public companies, generate reports and statistics that accommodate SSC's managing and surveillance function on public companies' information disclosure.

**>2,000**

Public Companies

**~58,000**

Reports & Info  
Disclosures annually

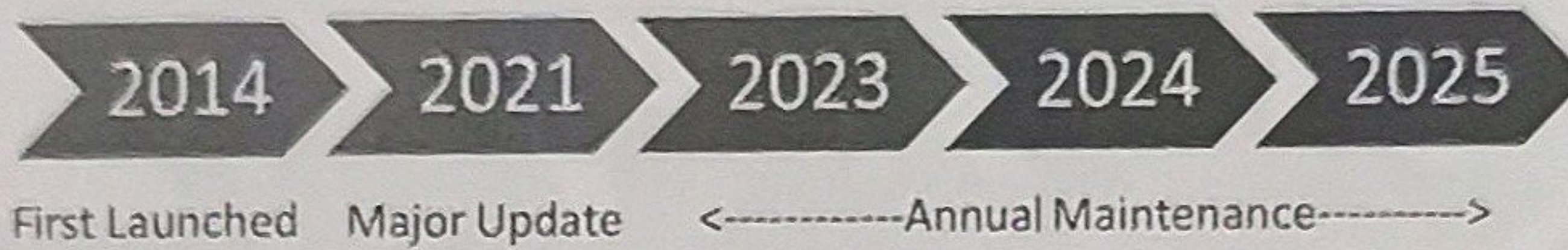






## Securities Company Management System (SCMS)

- Securities Companies: Tool to report and disclosure information to SSC in accordance with the regulation.
- SSC: Database of the profile, information and operational activities of securities companies.



Securities  
Companies

SCMS

Dept. of Securities  
Business Mgt.



## Securities Company Management System (SCMS)

- Securities Companies: Tool to report and disclosure information to SSC in accordance with the regulation.
- SSC: Database of the profile, information and operational activities of securities companies.

80

Securities Companies

~30,000

Reports annually

~4,000

Info Disclosures annually

Securities  
Companies

SCMS

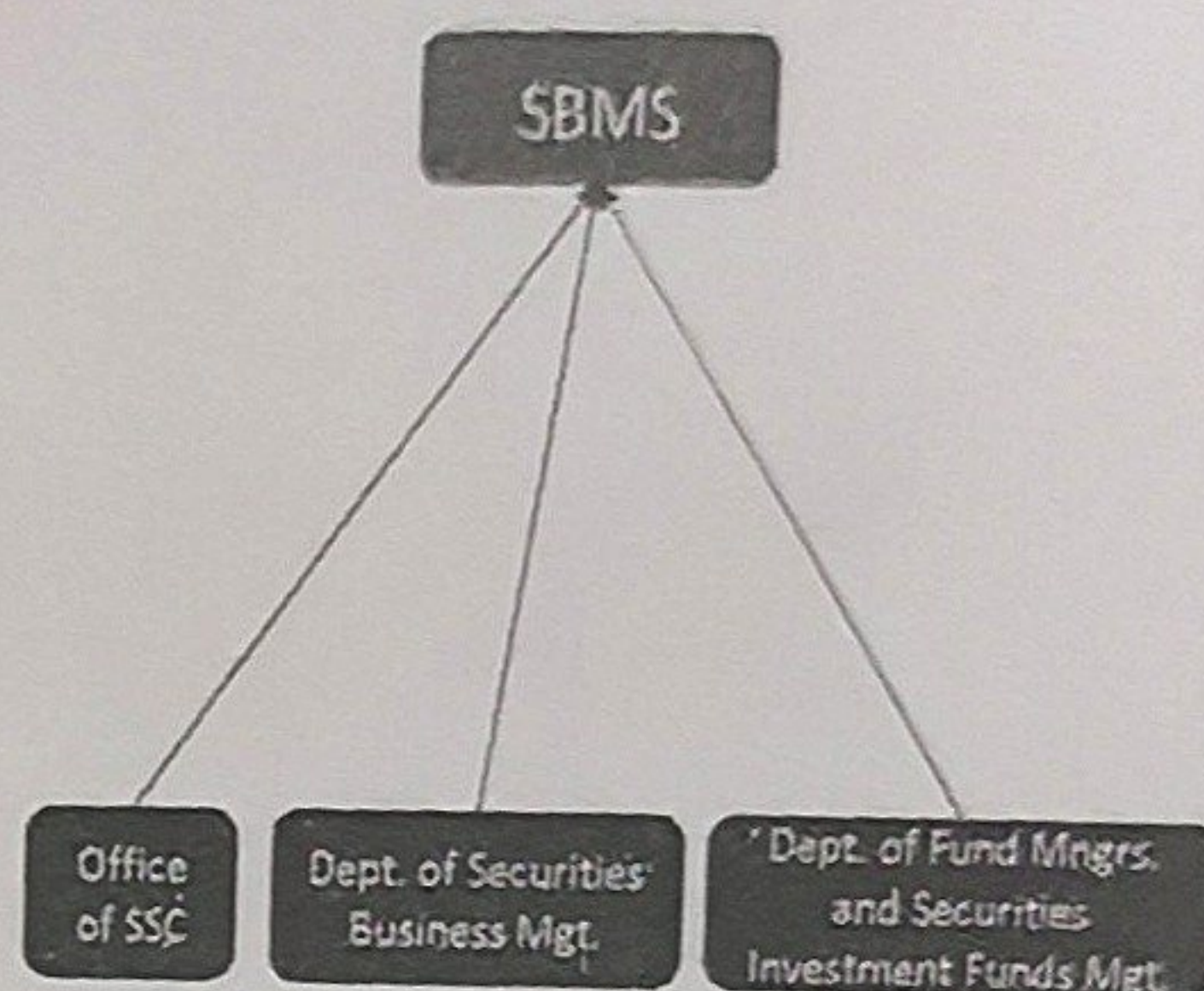
Dept. of Securities  
Business Mgt.





## Securities Broker Management System (SBMS)

- Manages broker profiles, as well as the issuance of the securities brokerage certificates on VN securities market.



2015

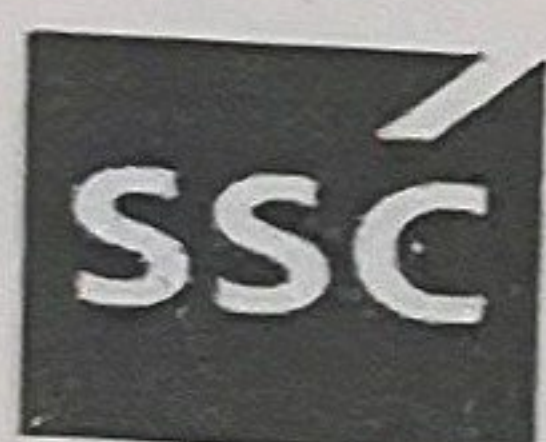
First Launched

2020

Maintenance

2021

Maintenance



## Securities Broker Management System (SBMS)

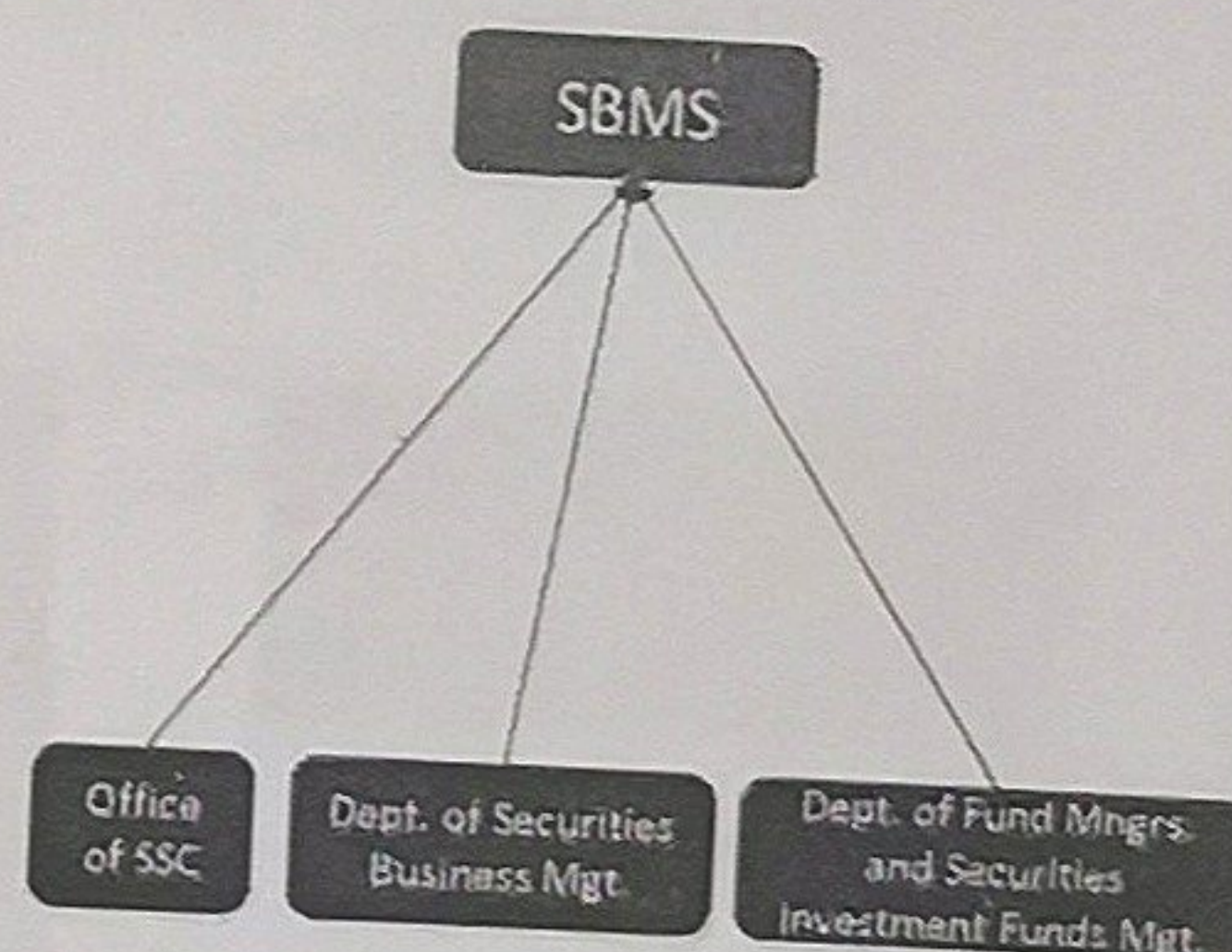
- Manages the broker profiles, as well as the issuance of the securities brokerage certificates on VN securities market.

13,336

Issued certificates

11,515

Verified profiles against the National DB of Residents

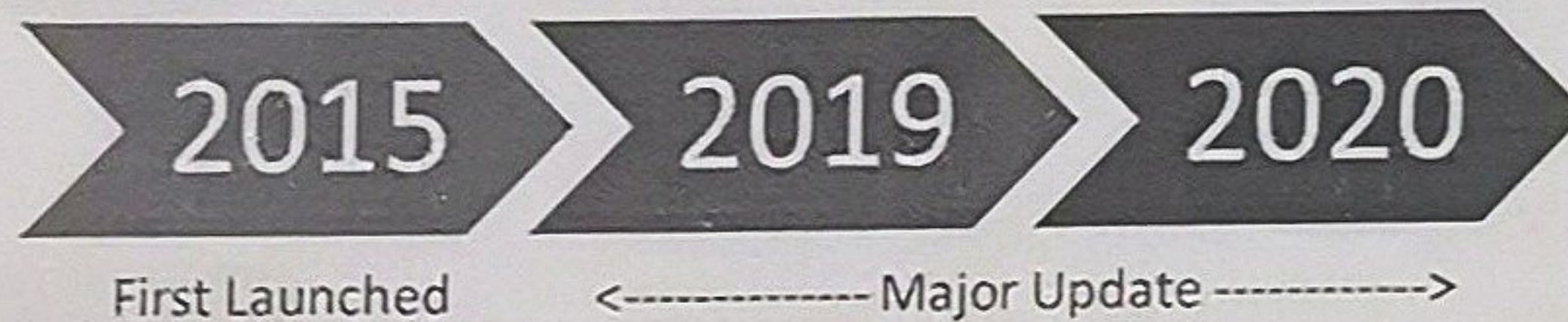
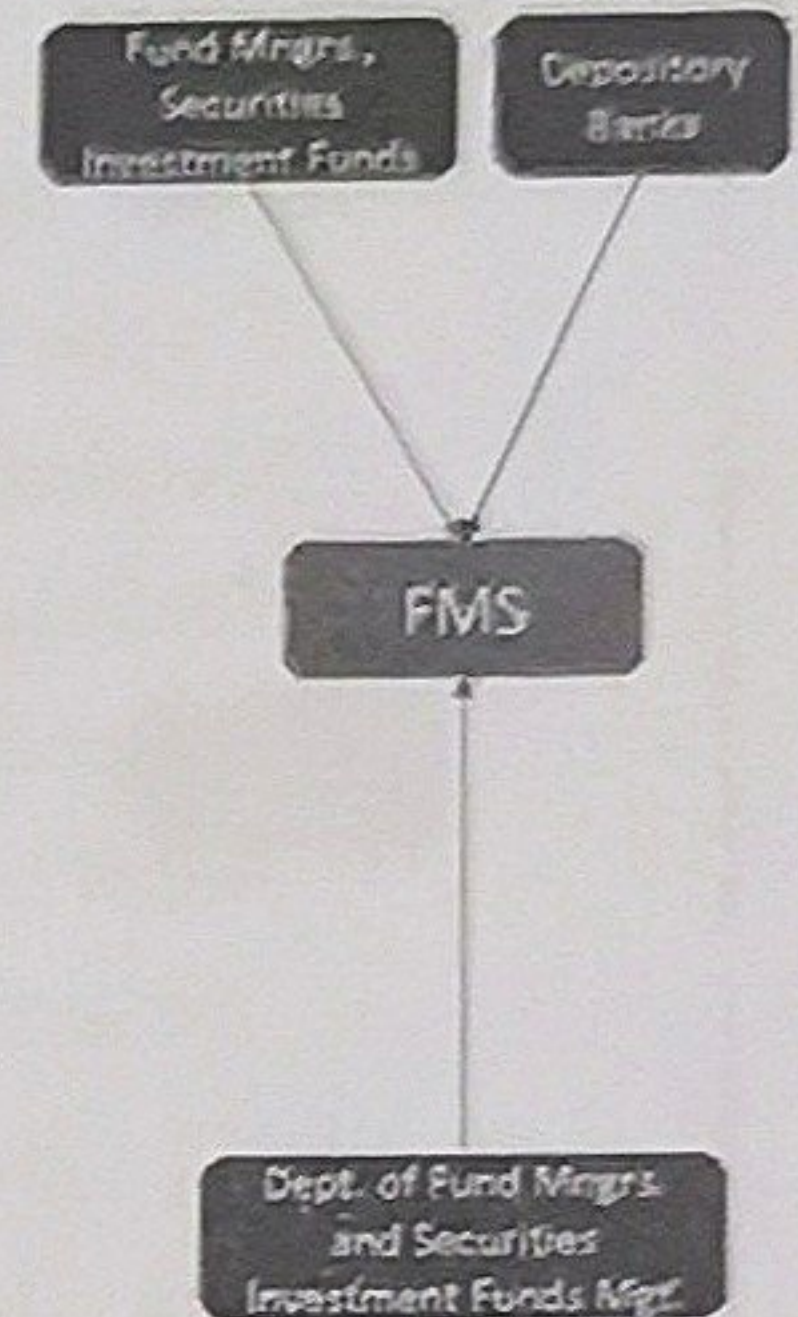




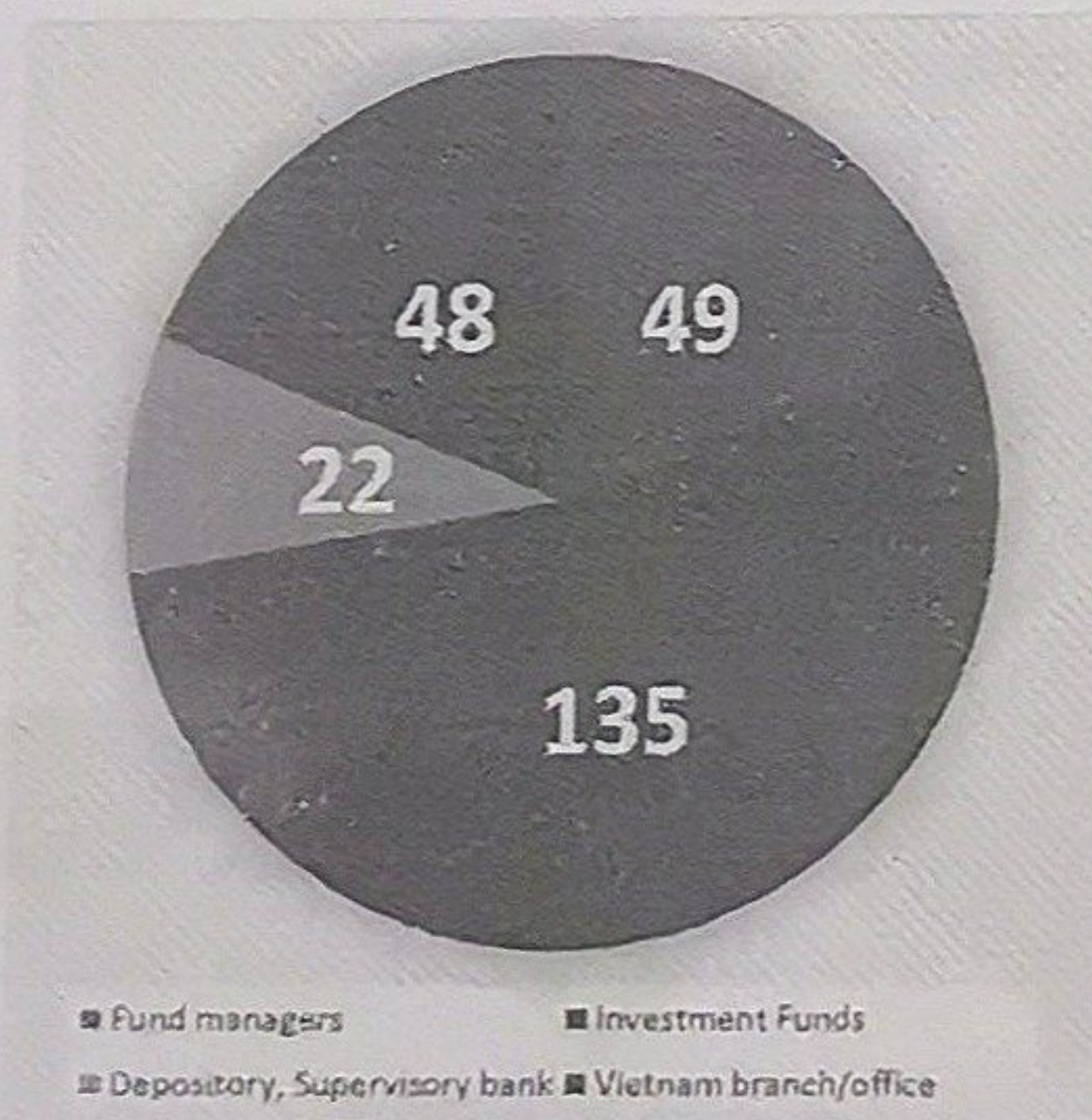


## Fund Management System (FMS)

- Collect, process, store data from Fund managers, Investment funds, Supervisory, Depository banks, Vietnam branch/office of Foreign fund managers
- Aggregate statistics, generate reports adhering to the managing and surveillance functions of SSC



## Fund Management System (FMS)



Annual Reports

10,000

11,515

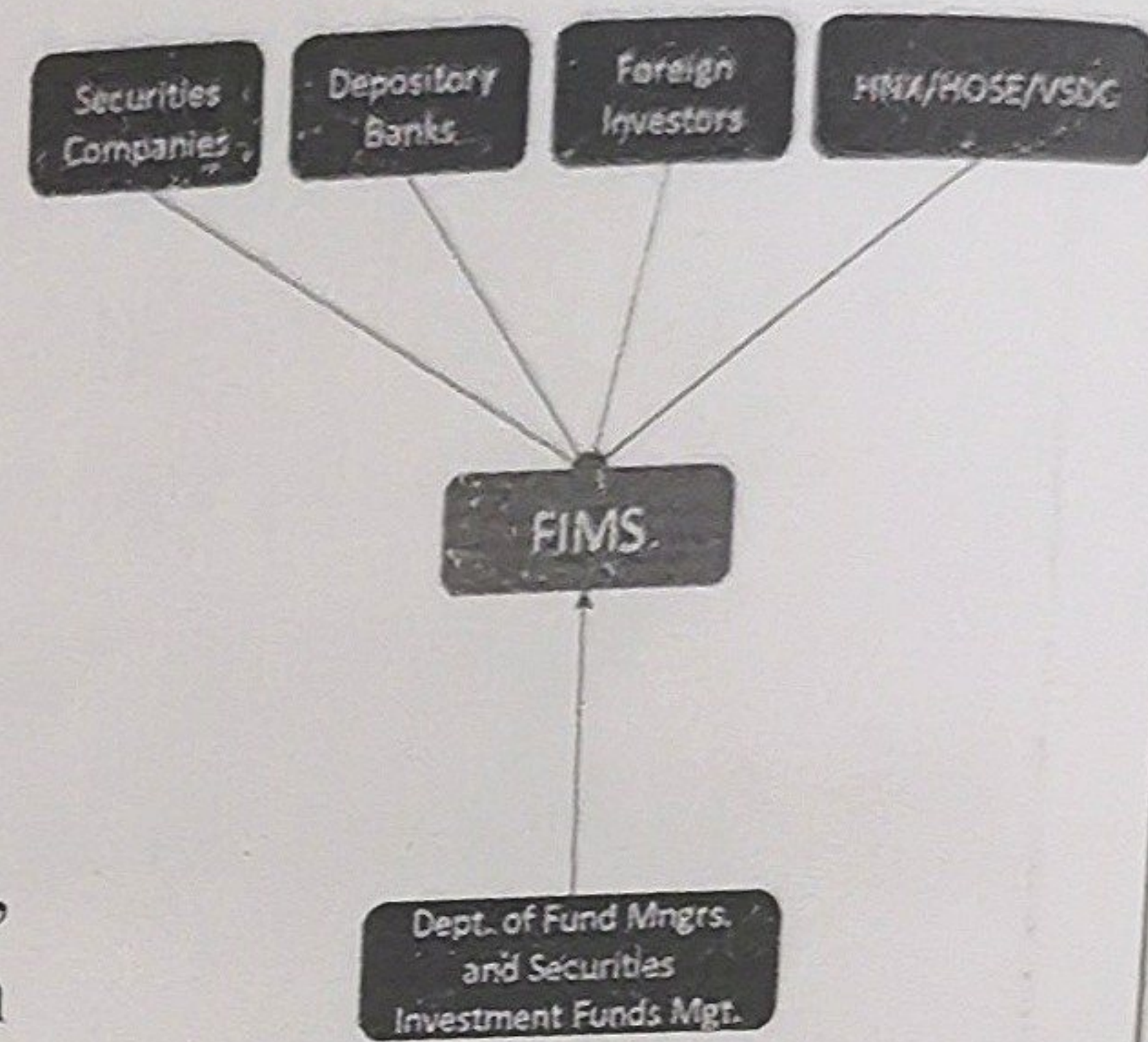
Annual Info Disclosures



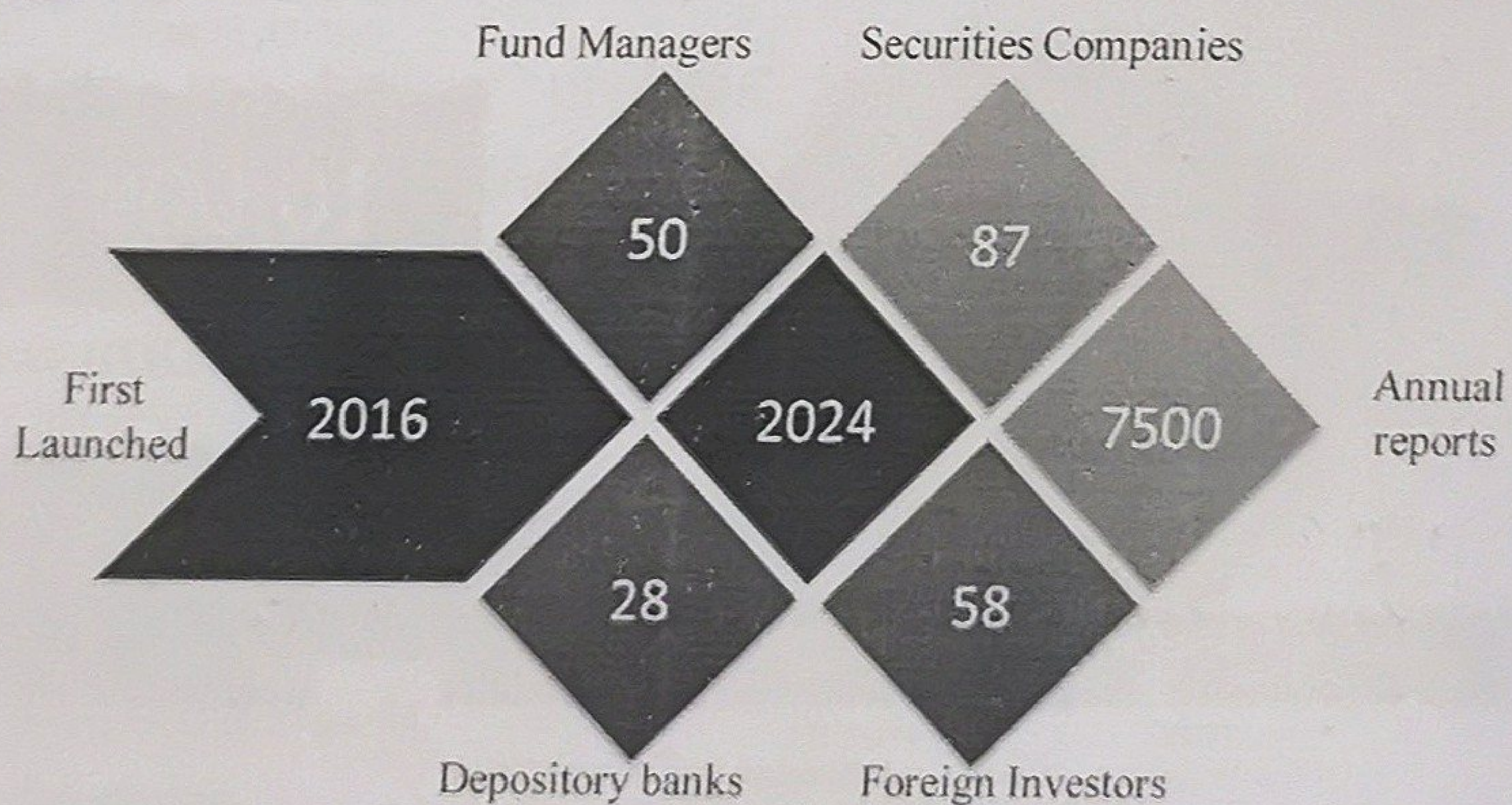


## Foreign Investors Management System (FIMS)

- Receive, store, and process reports related to foreign investors including:
  - Trader ID,
  - Detailed info,
  - Trading activities,
  - Deposited securities list,
  - Asset mgt. & Investment activities
  - Investment portfolio
- SSC: Query, generate analytical reports, assess investment activities of Foreign investors



## Foreign Investors Management System (FIMS)







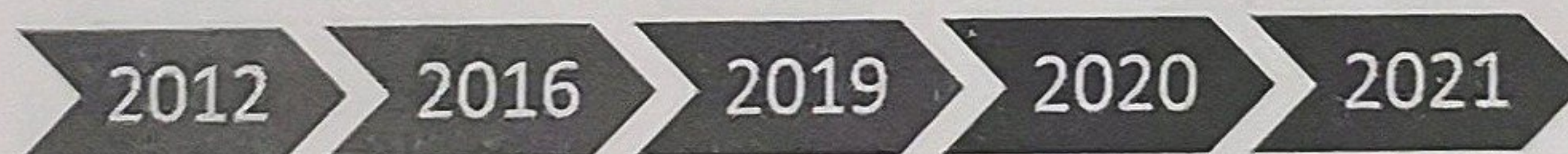
## Securities Inspection Database System (SIDS)

- Launched in 2016, maintenance in 2021
- Manage:
  - Inspection documents
  - Complaints settlement documents
  - Denunciation and violation sanctioning documents



## Market Surveillance System (MSS)

- Collect trading data and reports from Securities Exchanges (HNX, HOSE), Vietnam Securities Depository and Clearing Corporation over secured connection of MOF to facilitate the securities market surveillance functions of SSC



First Launched <----- Major Updates -----> <----- Annual Maintenance ----->





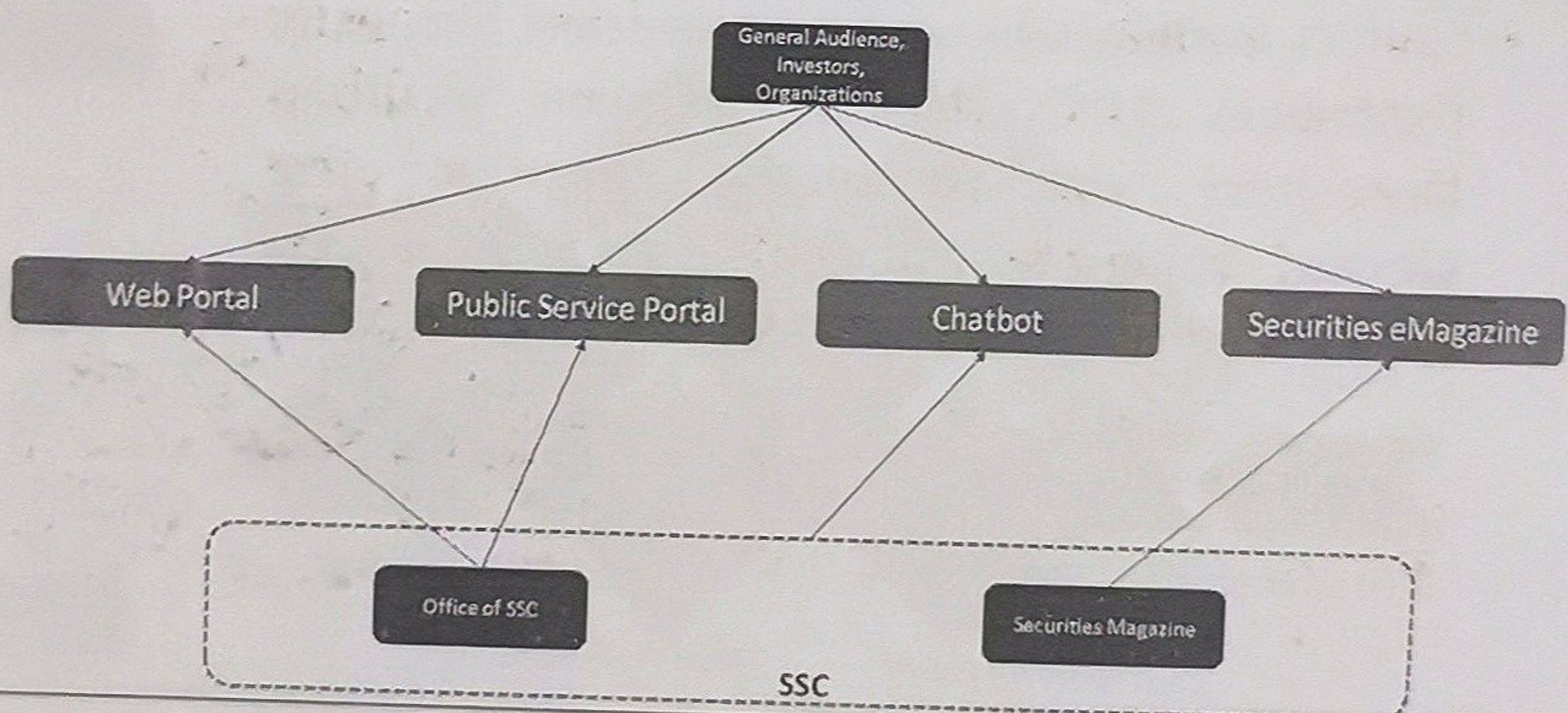


# Information Systems

- 1 Operational Information Systems
- 2 Public Information Systems
- 3 Internal Information Systems



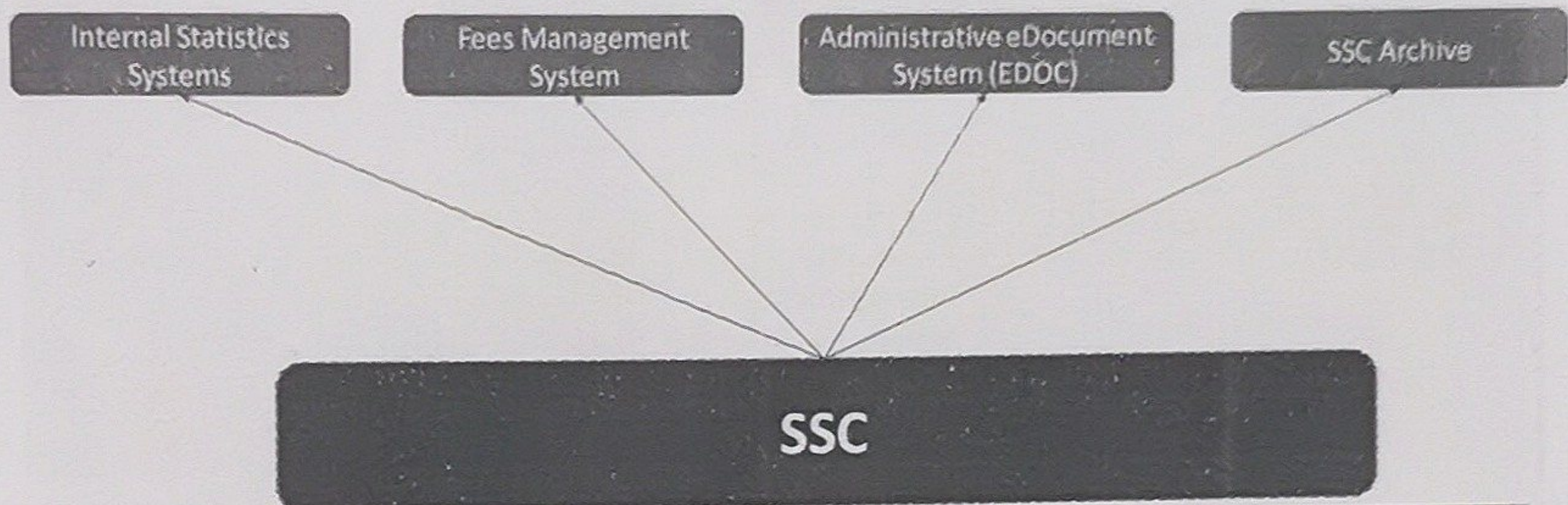
## 2. Public Information Systems







### 3. Internal Information Systems



### Take Away

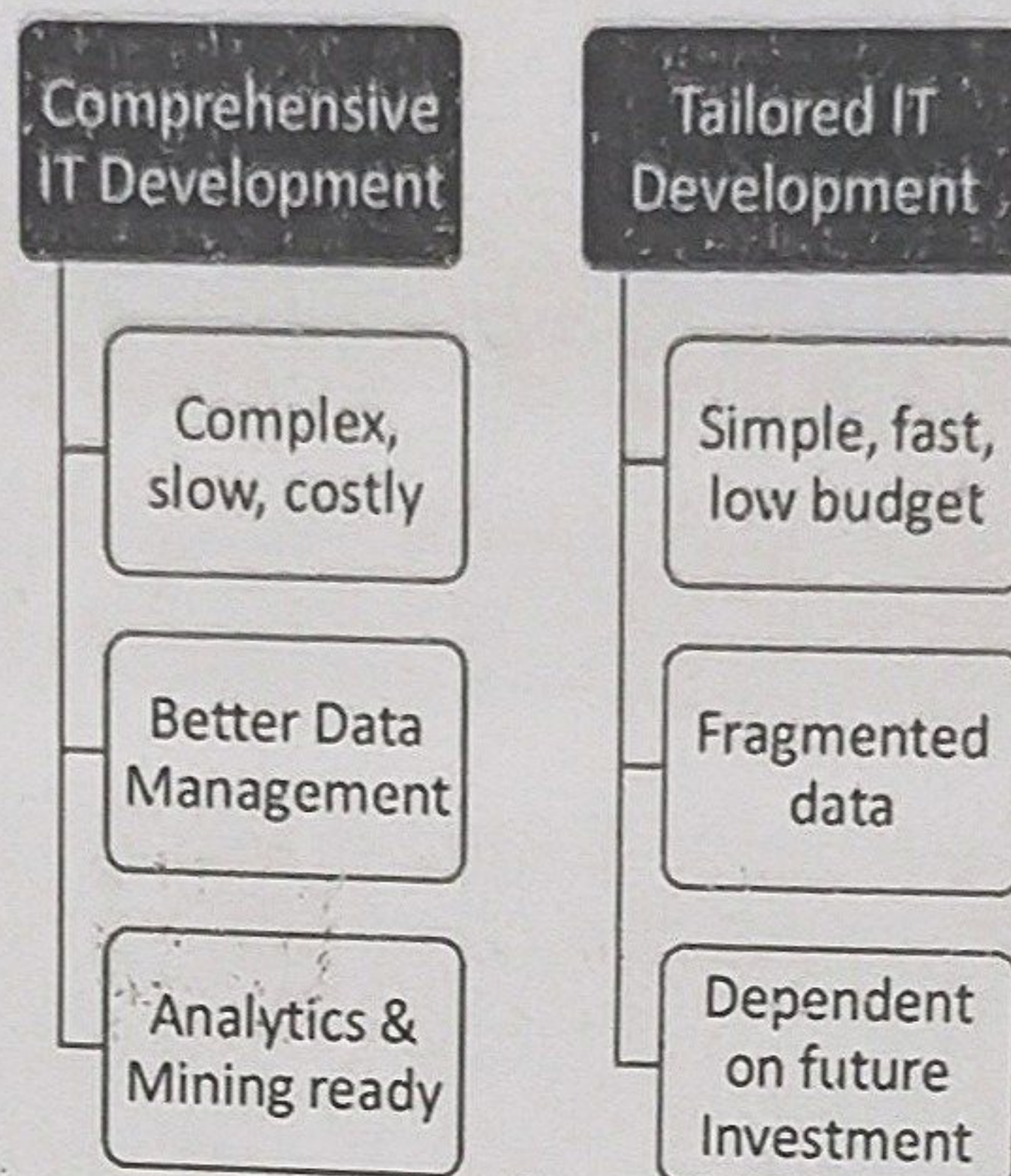
- The Information Systems used at SSC over the years have played a significant role in helping SSC achieved its functions by increasing the efficiency, accuracy, promptness, and transparency in securities regulatory operations.







## Take Away



State Securities  
Commission  
of Vietnam

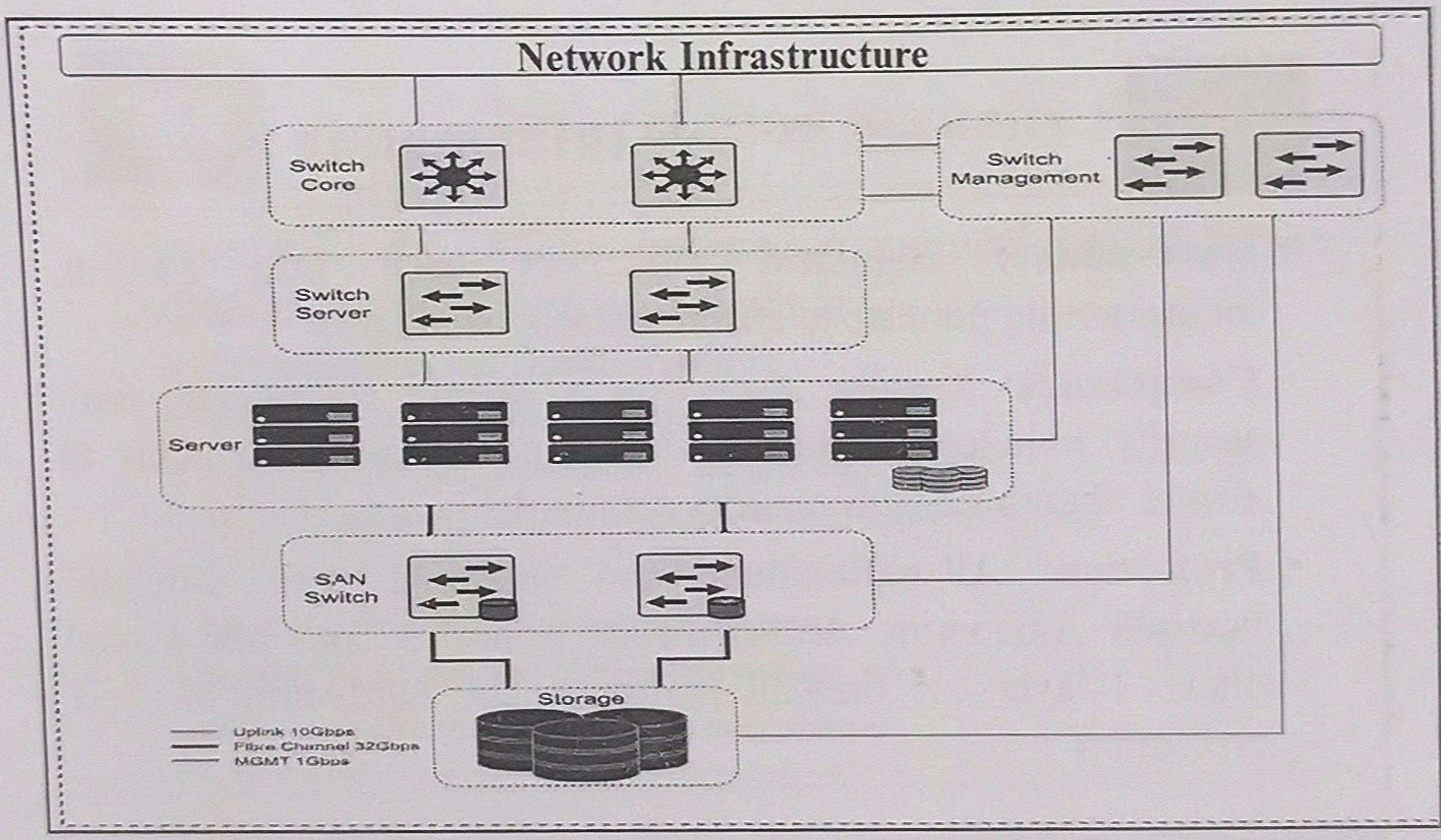
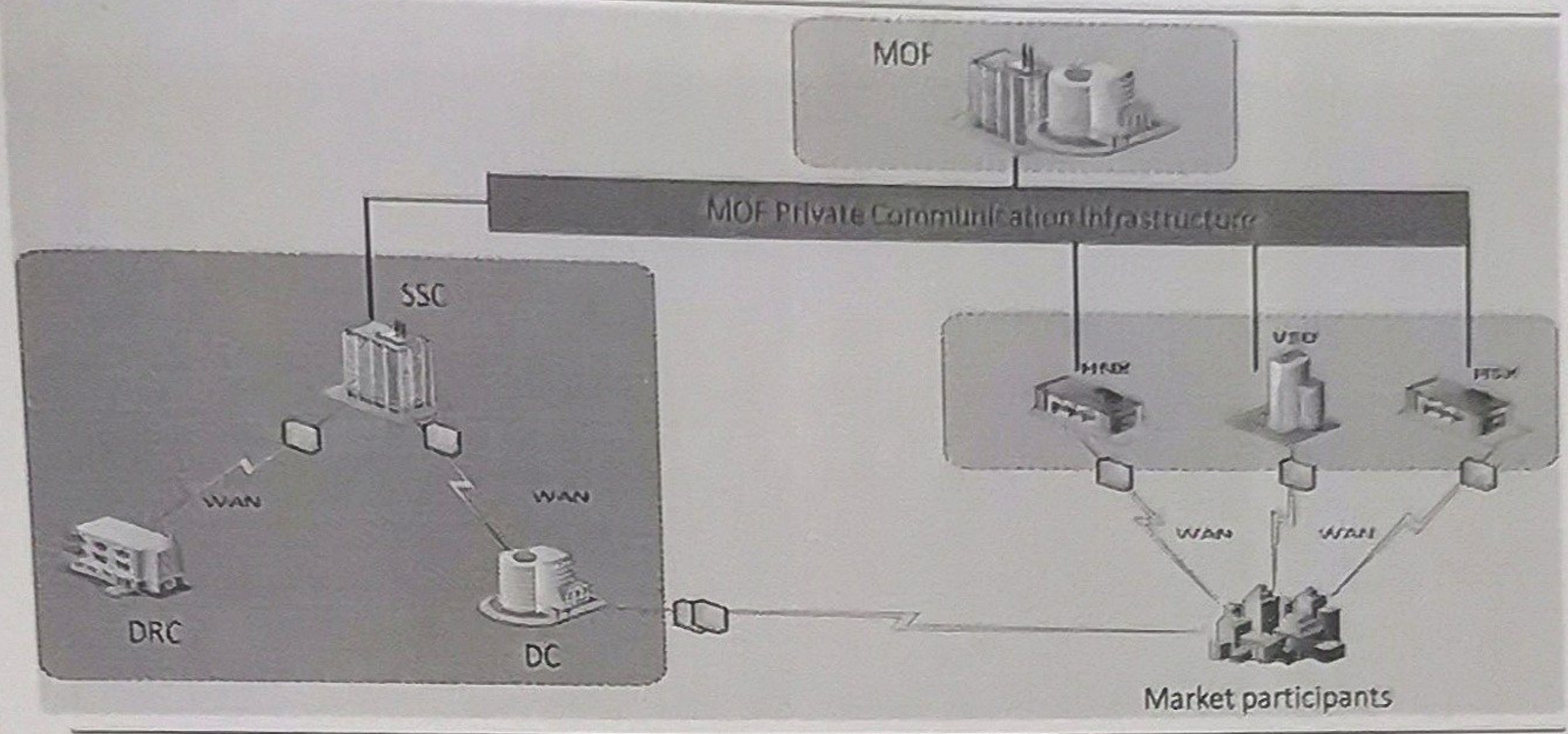
# IT INFRASTRUCTURE

Hanoi, 24/9/2024





# Overall Architecture







State Securities  
Commission  
of Vietnam

# INFORMATION SECURITY

Hanoi, 24/9/2024



## Information Security

- **Governance:** Regulated SOP per each Info System, incorporating policies to ensure security standards
- **Compliance:** Regular inspection to ensure compliance with security policies. Regular reviews and update to policies to ensure alignment with security standards
- **Protection:** All equipments are equipped with officially licensed Anti-virus, Anti-malware solutions, and are placed under 2 layers of firewall (software and hardware) for best protection





## Information Security Solutions

- Since 2012, the SSC has invested in and deployed 15 InfoSec solutions for its IT system, including:
  - Anti-spam and antivirus systems;
  - Email protection systems;
  - Integrated firewall systems;
  - DDoS prevention systems;
  - Privileged password management systems;
  - Database security and monitoring systems;
  - Patch management systems;



## Information Security Solutions

- Since 2012, the SSC has invested in and deployed 15 InfoSec solutions for its IT system, including:
  - Core network firewall protection systems;
  - Web content access control systems;
  - SIEM log collection, management, and analysis systems;
  - Web application firewalls to protect web-based applications;
  - APT (Advanced Persistent Threat) detection systems;
  - Firewall policy change management systems;
  - Security threat detection and analysis systems;
  - APT for datafile monitoring and security systems.





State Securities  
Commission  
of Vietnam

## MAINTENANCE OF SOFTWARE & HARDWARE

Hanoi, 24/9/2024



### Software & Hardware Maintenance

- The maintenance of hardware and software for the IT system at the SSC strictly follows the legal regulations on managing public IT investment projects. Specifically, Article 40 of Decree 73/2019/ND-CP, which regulates the management of IT investment using state budget funds, as amended and supplemented in Clause 26, Article 1 of Decree 82/2024/ND-CP, stipulates:





## Software & Hardware Maintenance

- The project's products must be managed, operated, and maintained regularly and continuously immediately after handover and launch.



## Software & Hardware Maintenance

- **The SSC is responsible for:**
  - Organizing the management, operation, and maintenance of the project's products;
  - Determining the costs for management, operation, and maintenance by preparing cost estimates or based on quotations from service providers;
  - Being legally responsible for the deterioration or malfunction of the project's products due to failure to manage, operate, or maintain them as required;
  - Submitting to authorities for approval, balancing, and allocating funds for the management, operation, and maintenance of the project's products;
  - Performing other responsibilities and obligations as stipulated by the law on public asset management and other relevant laws.