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# Homeland Security Information Sharing Architecture

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# Agenda

- ◆ Objectives
- ◆ Approach
- ◆ Architecture
- ◆ Information Sharing
- ◆ Summary



## Objectives

- ◆ Use existing capabilities and infrastructures to support the analytical and information dissemination needs of Homeland Security
- ◆ Provide actionable access to information
- ◆ Provide a roadmap for future system development which ensures interoperability across the Federal Government and beyond



# Approach

- ◆ Interconnect a Homeland Security Community of Interest (COI) at each security level:
  - Top Secret SCI
  - Secret Collateral
  - Sensitive but Unclassified (SBU)
- ◆ Establish a governance process at each security level:
  - Policies
  - Standards



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## IC Enterprise Architecture

# Intelligence Community System for Information Sharing (ICSIS)

- ◆ Provides the enterprise capabilities to store, manage and disseminate HS information using:
  - Joint Worldwide Intelligence Communications System (JWICS) for Top Secret connectivity
  - Secret Internet Protocol Routed Network (SIPRNET) for Secret connectivity
  - Open Source Information System (OSIS) for Unclassified/SBU connectivity

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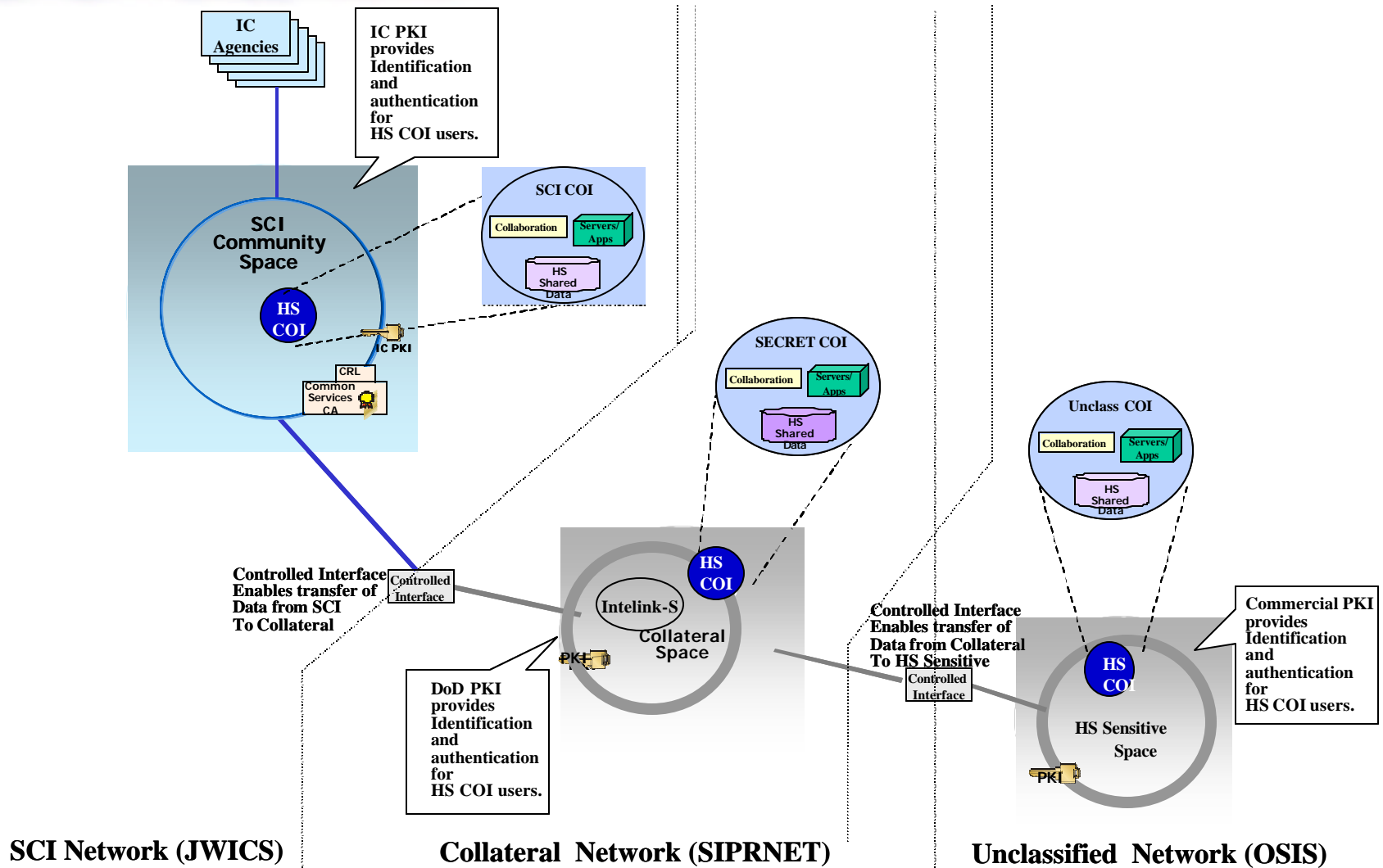
## Intelligence Community System for Information Sharing (ICSIS)

- ◆ Provides the controlled interfaces to securely transfer HS data to analysts at lower security levels
- ◆ Provides a governance structure for sensitive compartmented information



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# Homeland Security Architecture



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# Sharing Sensitive Compartmented Information

## TS/SCI Infrastructure

- ◆ Managed by the Intelligence Community
  - Takes full advantage of the existing ICSIS and Comms infrastructure
  - CT-Link provides an existing operational Secure Community of Interest:
    - ◆ Profiled cable/message reports/traffic
    - ◆ Community products (Warnings, Assessments)
    - ◆ Community databases
      - Examples: State, FBI, CIA, etc.
    - ◆ E-Mail
    - ◆ Tailored Forums (bulletin boards)

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## Collateral Infrastructure

- ◆ Managed by Defense Department (and others)
  - Takes full advantage of the DoD's existing Secret infrastructure
  - Takes full advantage of Secret version of Intelink
  - Communities of Interest for Homeland Security can be established
  - One department (e.g., Defense) could lead a governance activity



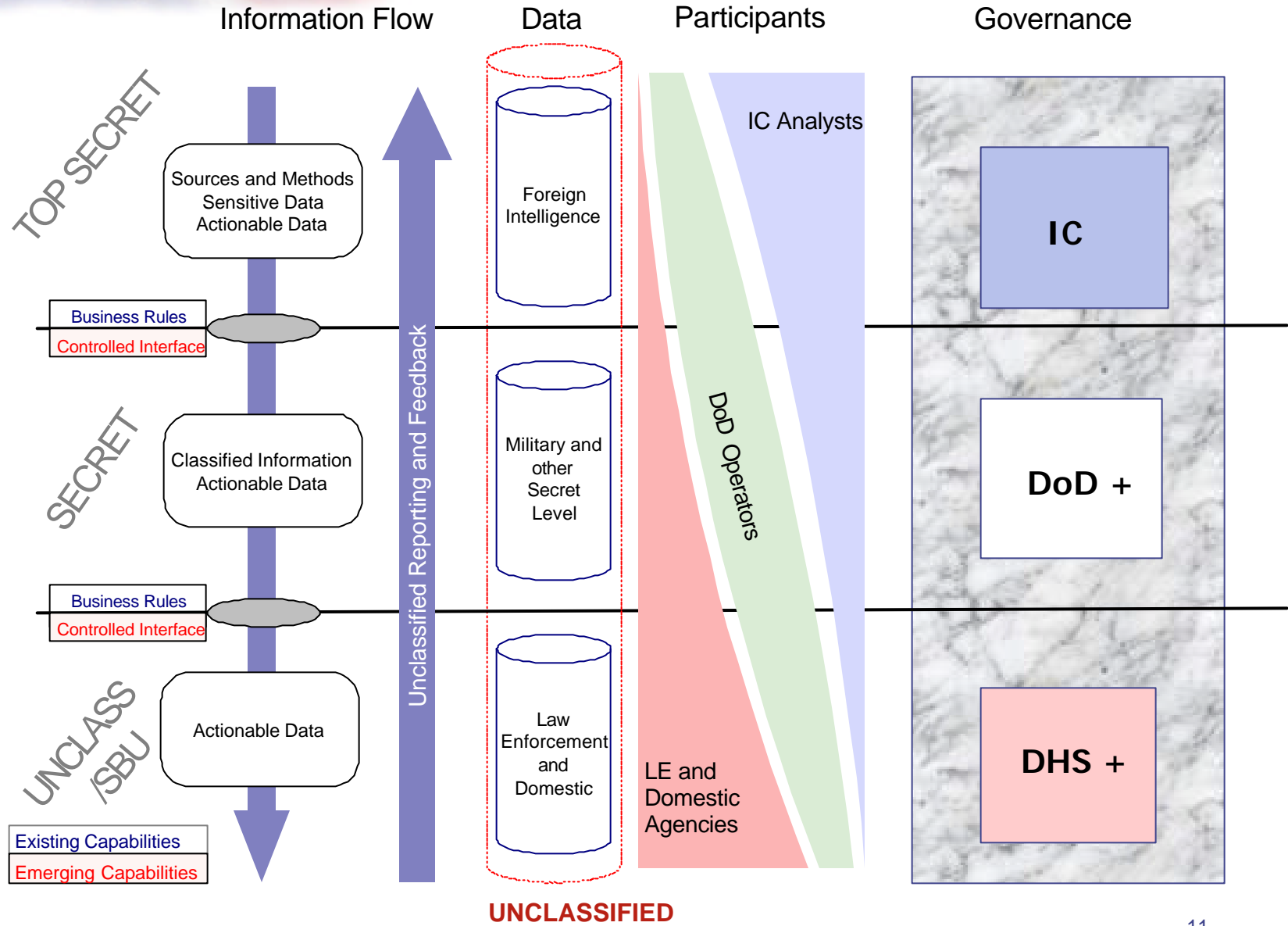
## Sensitive but Unclassified Infrastructure

- ◆ Managed by Department of Homeland Security (and others)
  - Takes full advantage of the existing Federal Government infrastructure, including
    - ◆ DOJ/FBI's Law Enforcement Networks
    - ◆ DoD's Unclassified Networks
    - ◆ State's SBU Networks
    - ◆ IC's Unclassified Networks
  - Communities of Interest for Homeland Security can be established
  - One Department (e.g., DHS) could lead a governance activity



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# Homeland Security Information Sharing





## Summary

- ◆ Existing operational capabilities and IT infrastructures can and are being leveraged to support the analytical and information dissemination needs of DHS
- ◆ Actionable information and connectivity is required at three distinct security levels
- ◆ Coordinated governance processes will facilitate timely exchange of Homeland Security information