



# Department of the Navy Identity Management Initiative

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# Where did this come from?

- Experience with biometrics to date
- DSB TF Report on Biometrics (Identity Management)
- SECNAV interest in preparing for the future
  - **Broad scope of use cases, AORs**
  - **Program stability**
  - **Identity Management focus**
  - **Design broadly, deploy narrowly and quickly**
    - ***Use limited deployments to identify, define, “tease out” policy issues for resolution***



# Why is this effort different?

- ***Holistic approach***, fully embracing relevant aspects of:
  - ***Technology***
  - ***Policy***
  - ***Human factors***
- Develop for transition to ***Programs of Record***



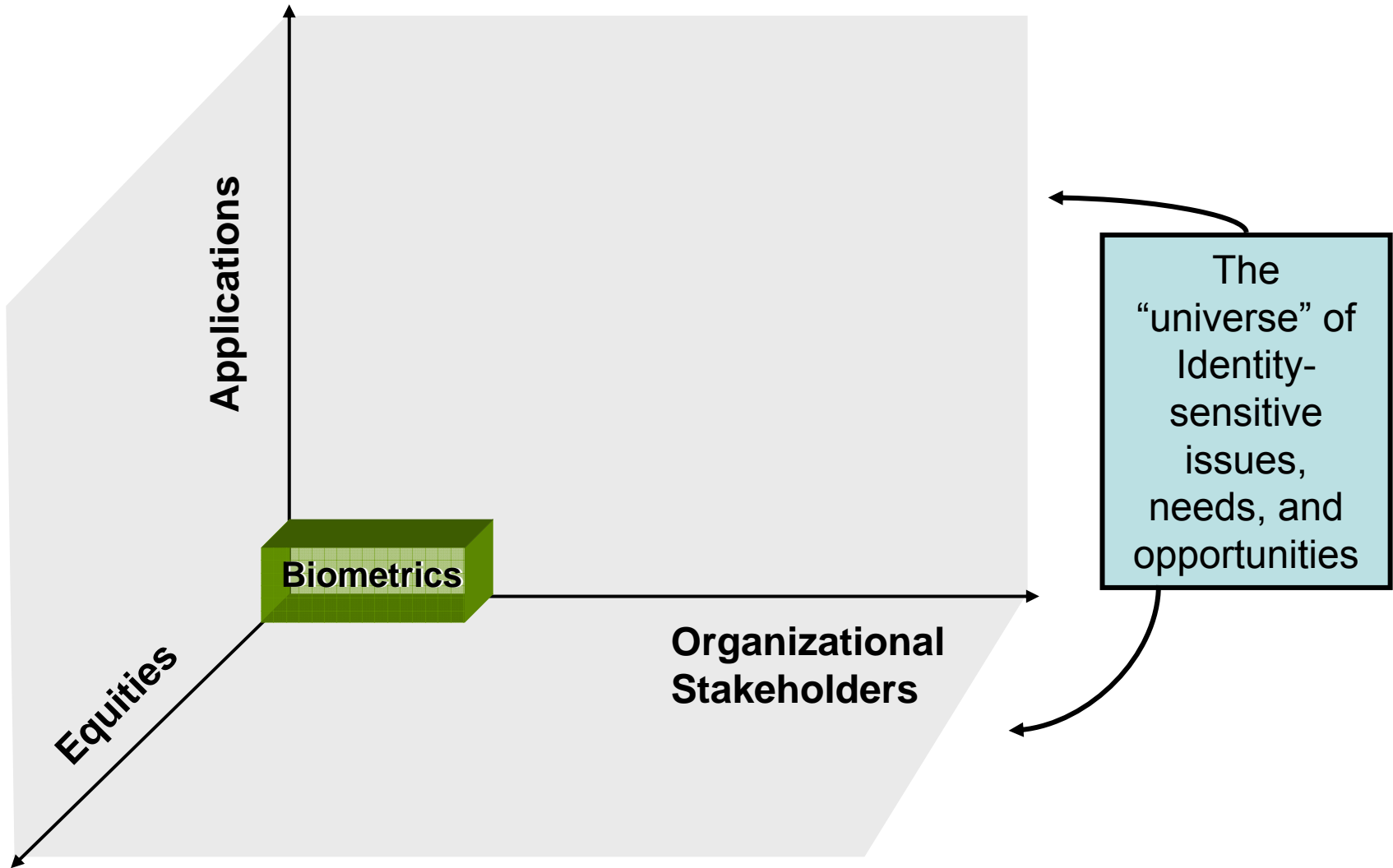
# Develop For Transition to Programs of Record



- **Documented Requirements**
  - Identity Dominance System (IDS) CDD
- **Standards**
  - EFTS, EBTS compliant
- **Program of Record**
  - Follow acquisition guidelines, sponsorship (in progress)
- **Interoperability**
  - Net-Ready KPP-compliant
- **Sustainability**
  - Moving toward compliant operational availability ( $A_o \geq 97\%$ )



# Identity Management: Context





# NIS-P Objectives

1. **Expand** flexibility and extensibility of ***root identification*** (Friendly, Adversary)
2. **Develop and Field** key mission-support ***applications*** (Ops, LE, Access)
3. **Enhance** ***cross-domain interoperability*** (Friendly, Neutral/Unknown, Adversary)

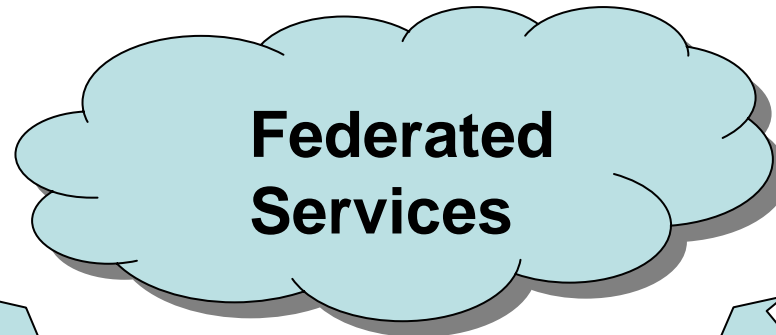


# NIS-P Objectives - Modeled

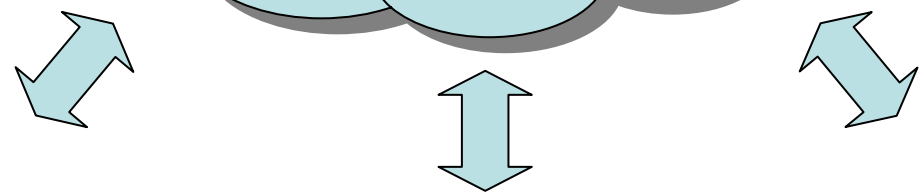
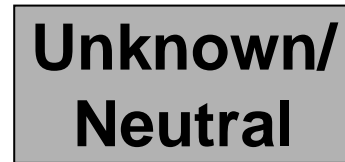
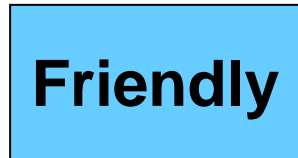
Applications



Information-Sharing



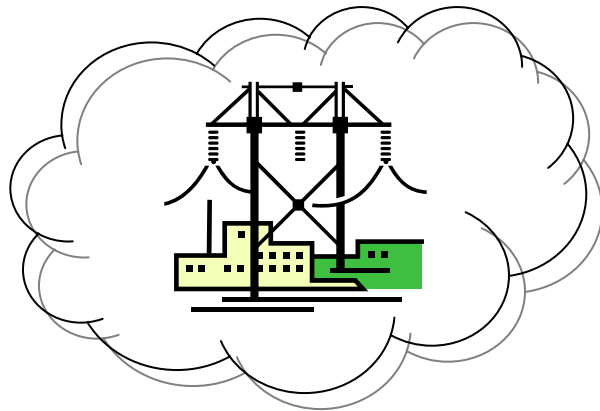
Root ID





# Electric Analogy

## UTILITY BACKBONE

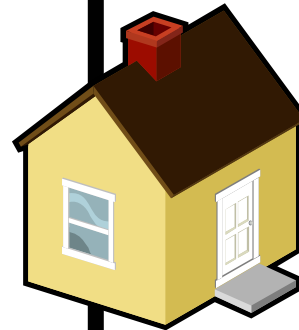


### Power Grid

- Internally designed, managed
- Exists to serve end-users
- Standards-based interoperability across disparate jurisdictions, ownership



## END-USER

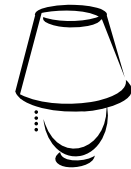
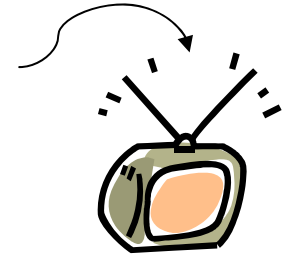


**Applications,**  
chosen and  
managed by end-  
user



### User Interface

- Has *standardized* physical *and* logical design characteristics to permit apps to interface with servicing utility





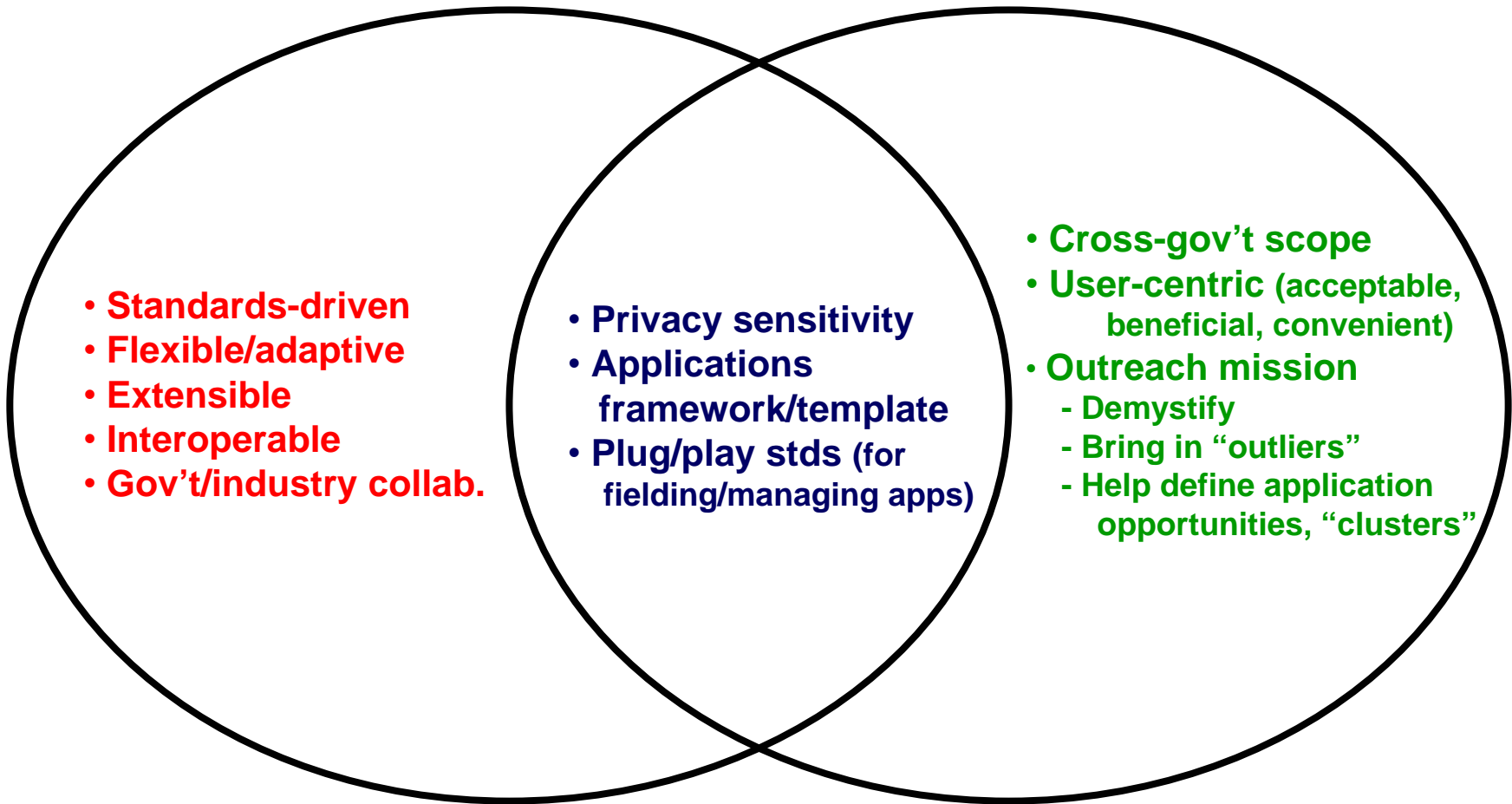


# Comprehensive Approach to IdM

Focus: **TECHNOLOGY**

**COLLABORATIVE**

**USER**





# NIS-P Spiral Development

Mission Area	<u>ACCESS</u>	<u>LAW ENFORCEMENT</u>	<u>OPERATIONS</u>
<b>Spiral One</b>	<ul style="list-style-type: none"><li>• Ship in Port</li><li>• CONUS Base</li><li>• Building</li><li>• DoD Mil and Civ only for Spiral 1</li></ul>	<ul style="list-style-type: none"><li>• NCIS ops in austere environments</li></ul>	<ul style="list-style-type: none"><li>• Expanded Maritime Interception Ops</li><li>• Marine Raids/Navy Seals</li><li>• Security Ops</li></ul>
<b>Future Spirals</b>	<ul style="list-style-type: none"><li>• Contractors and non-DoD</li><li>• Global - fixed and expeditionary</li><li>• Other/foreign nationals</li></ul>	<ul style="list-style-type: none"><li>• Suspicious activity database &amp; fusion</li><li>• NCTC, TSC connectivity</li><li>• Expanded data connectivity</li></ul>	<ul style="list-style-type: none"><li>• Cargo “identity” management</li><li>• Classified domain-direct connection to classified systems</li></ul>



# Pieces of the Strategy

- Deployed mobile capability
  - **System for Intelligence and Identity Management Operations (SIIMON)**
- NIS-P Federated Services
  - **Federated Data Environment**
- IDProTECT
  - **Authoritative friendly personnel biometric repository**
- Local Access Controls
  - **Base/building/ship**



# Federated Services: Conceptual Design Features



- “Information sharing” as a central feature
- Interoperate across historically-disparate domains
- Don’t compete, collaborate
  - Embrace all equities, organizations
- Emphasize interoperability, scalability, extensibility

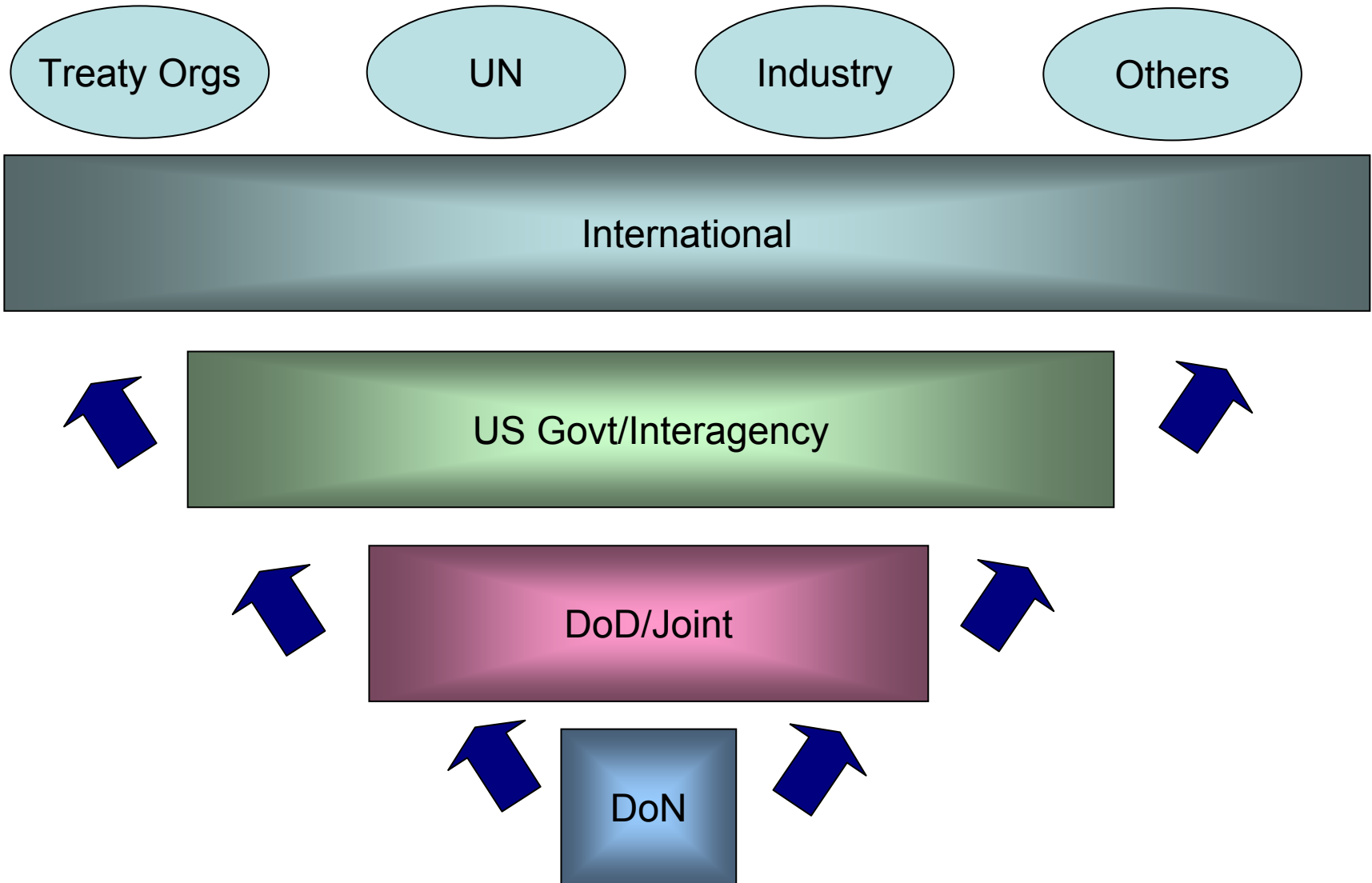


# Access Controls

- Working with the Marine Corps to identify a base
  - **Additional capabilities for one gate at one base**
- Identifying a building
  - **Most likely NOB Norfolk**
  - **Additional capabilities for one door**
- Quarterdeck management system
  - **Most likely based at NOB Norfolk**
  - **Additional, deployable capabilities for one vessel**



# The Even Bigger Picture



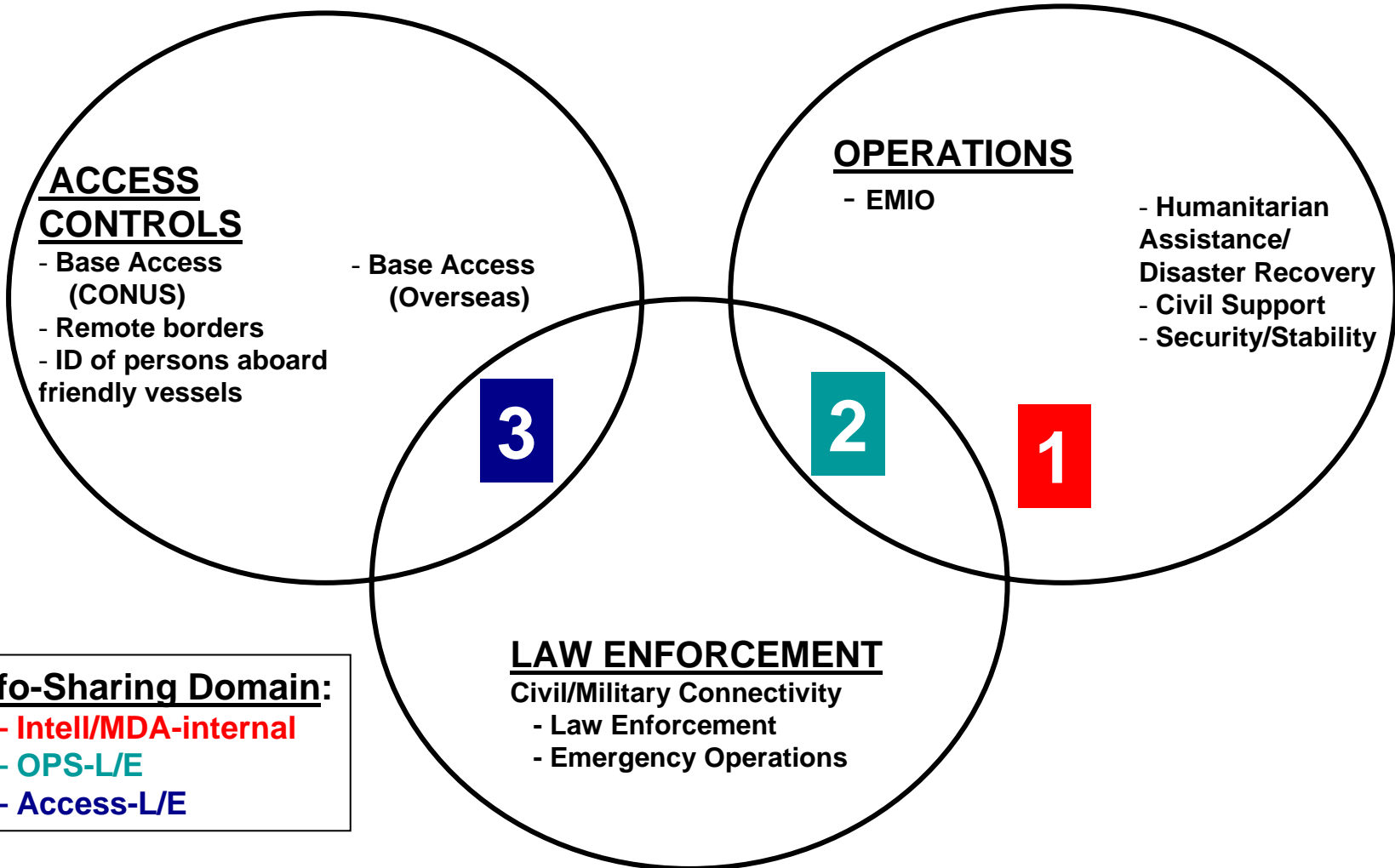


# Backup





# IM Info-Sharing: Functional View



**Info-Sharing Domain:**  
**1 – Intell/MDA-internal**  
**2 – OPS-L/E**  
**3 – Access-L/E**