



# The New SDSFIE: What Is Compliance?

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# SDSFIE Compliance Overview

Acquisition, Technology and Logistics

- Enterprise compliance foundation
- Understanding the Standard's intention
- Interpretation
  - Local issues
  - Global issues
- Implementation
  - Logical perspective
  - Physical perspective
- Take Away Points



# **ENTERPRISE COMPLIANCE FOUNDATION**



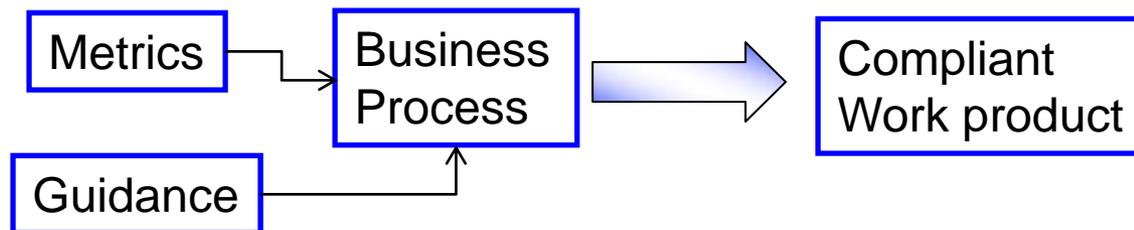
# What Is Compliance (FedUC 2010)?

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**Compliance:** Standard implementation and operation in accordance with all established Standard metrics and guidance.

**Metrics:** Specific, measureable indicators of Standard implementation success.

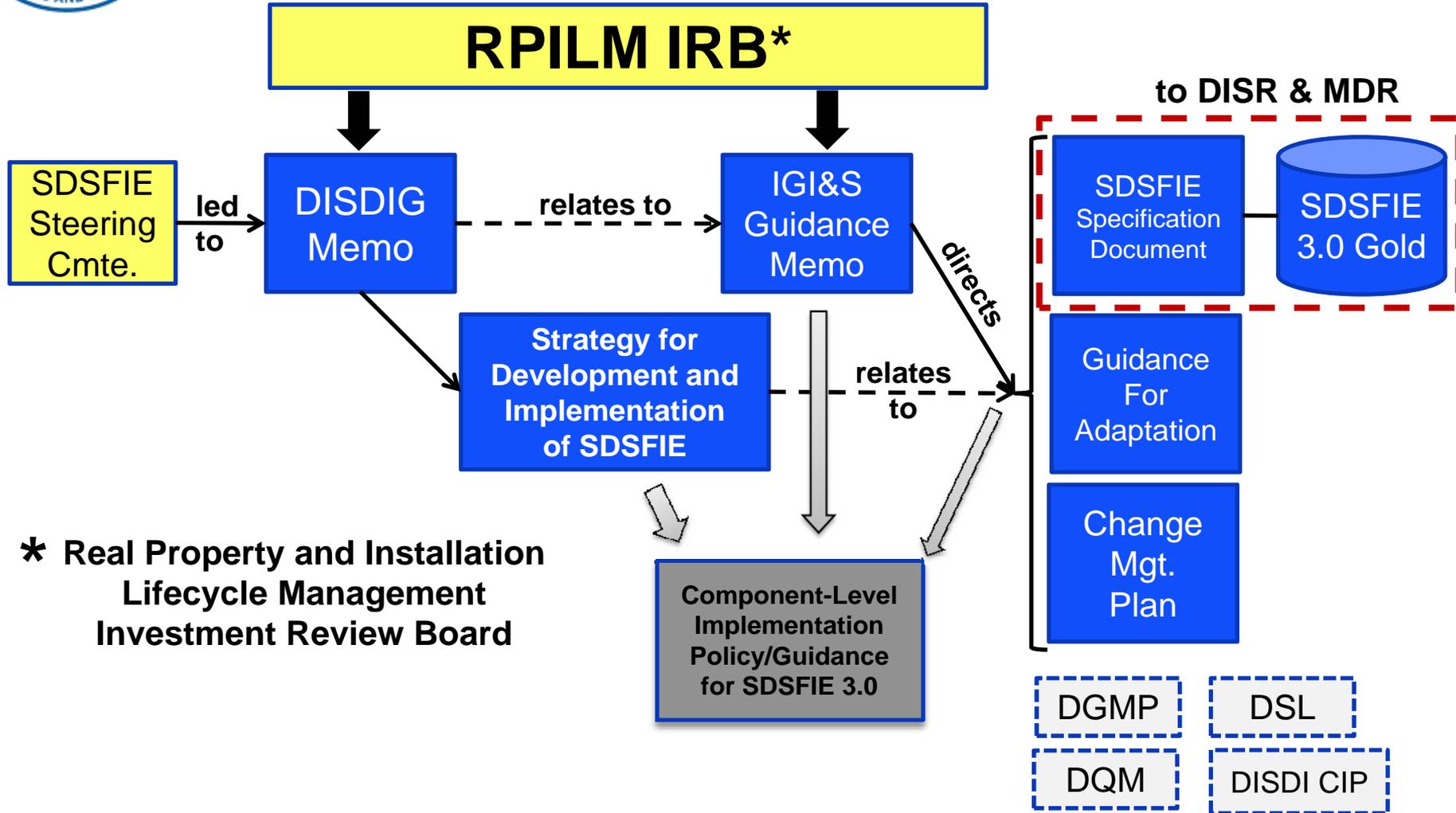
**Guidance:** Documentation prepared specifically to direct the execution of a specific Standard implementation step.





# SDSFIE Policy & Guidance Flow

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\* Real Property and Installation Lifecycle Management Investment Review Board

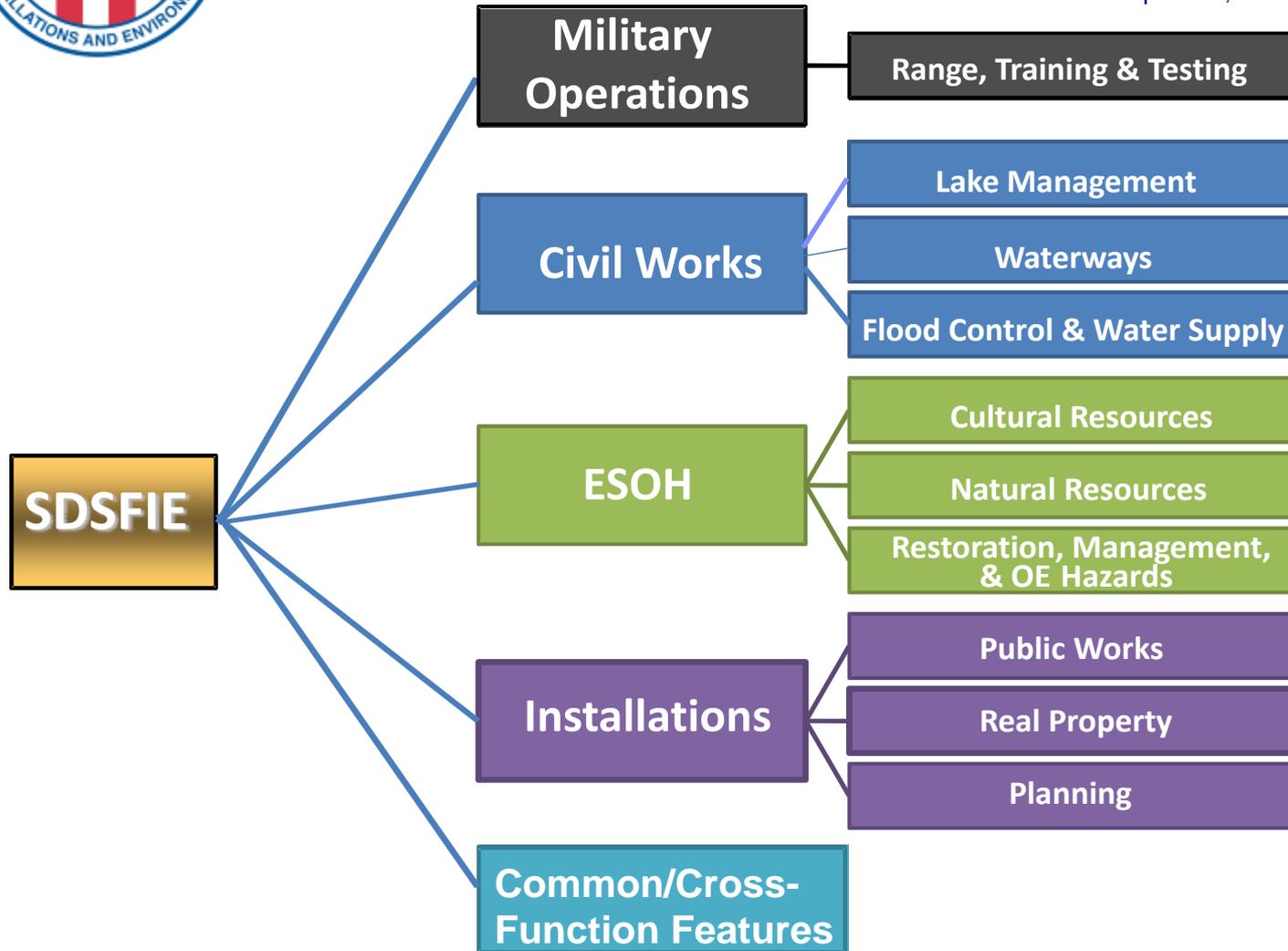


# UNDERSTANDING THE STANDARDS INTENTION



# SDSFIE Logical Data Modeling

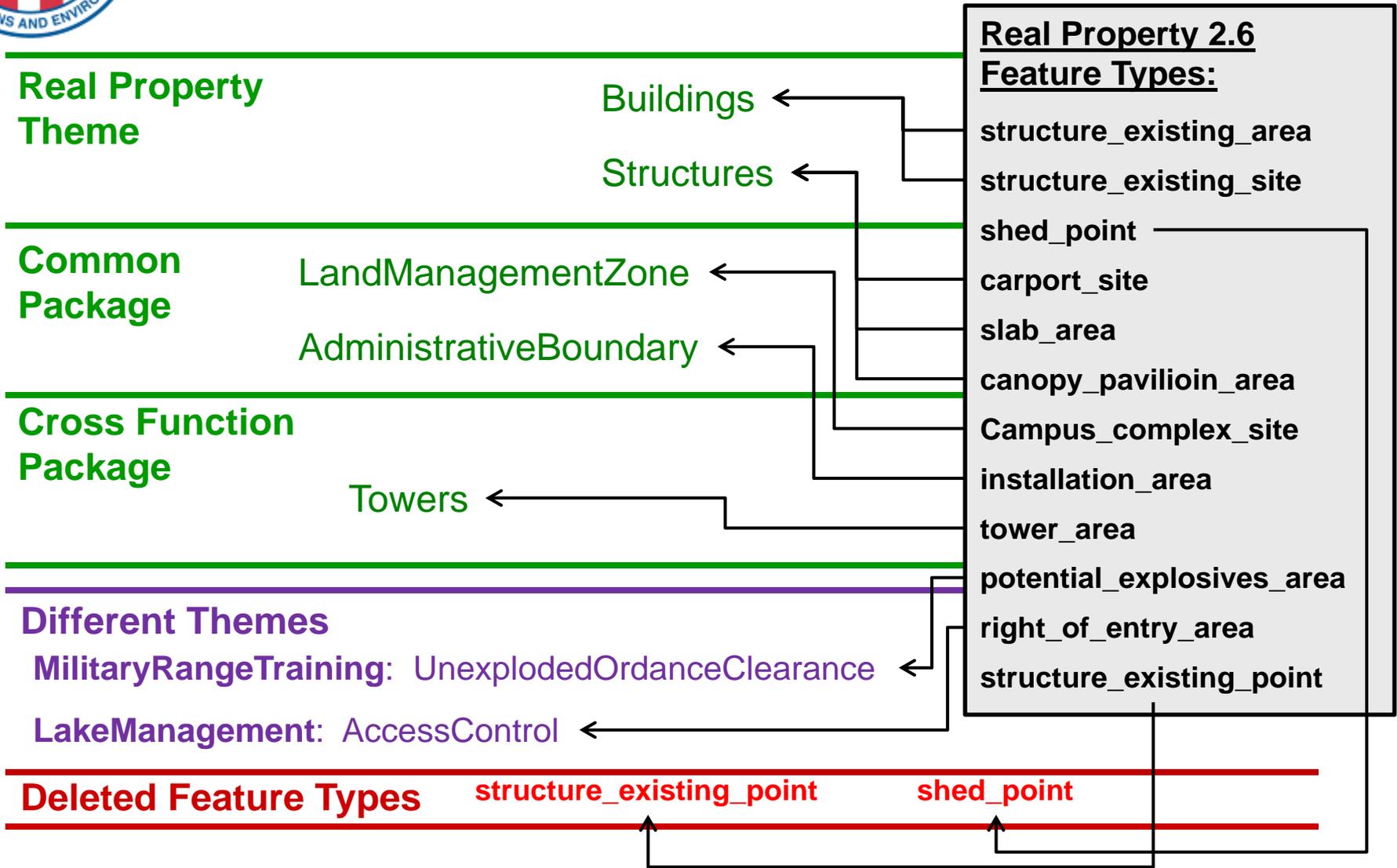
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# Thematic Package (aka Bin) Creation

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# Real Property Re-engineering Results

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<b>Real Property Thematic Package</b>	Building(16) Structure(14) LinearStructure(0)	Site(2) LandParcel(3) Disposal(1)	OutGrant(5)
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<b>Common Package</b>	AdministrativeBoundary(4) LandManagementZone(2)
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<b>Cross Function Package</b>	Tower(3)
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<b>All Other Thematic Packages</b>	LakeManagment:AccessControl(1) NaturalResources:NatResAcquisitionBoundary(1) MilitaryRanges&Training:UnexplodedOrdnanceClearance(2) FloodControl:FloodControlEncroachment(1)
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## Real Property Statistics:

2.6 Feature Types = 90

3.0 Feature Types:

Real Property = 7

Common = 2

Cross Function = 1

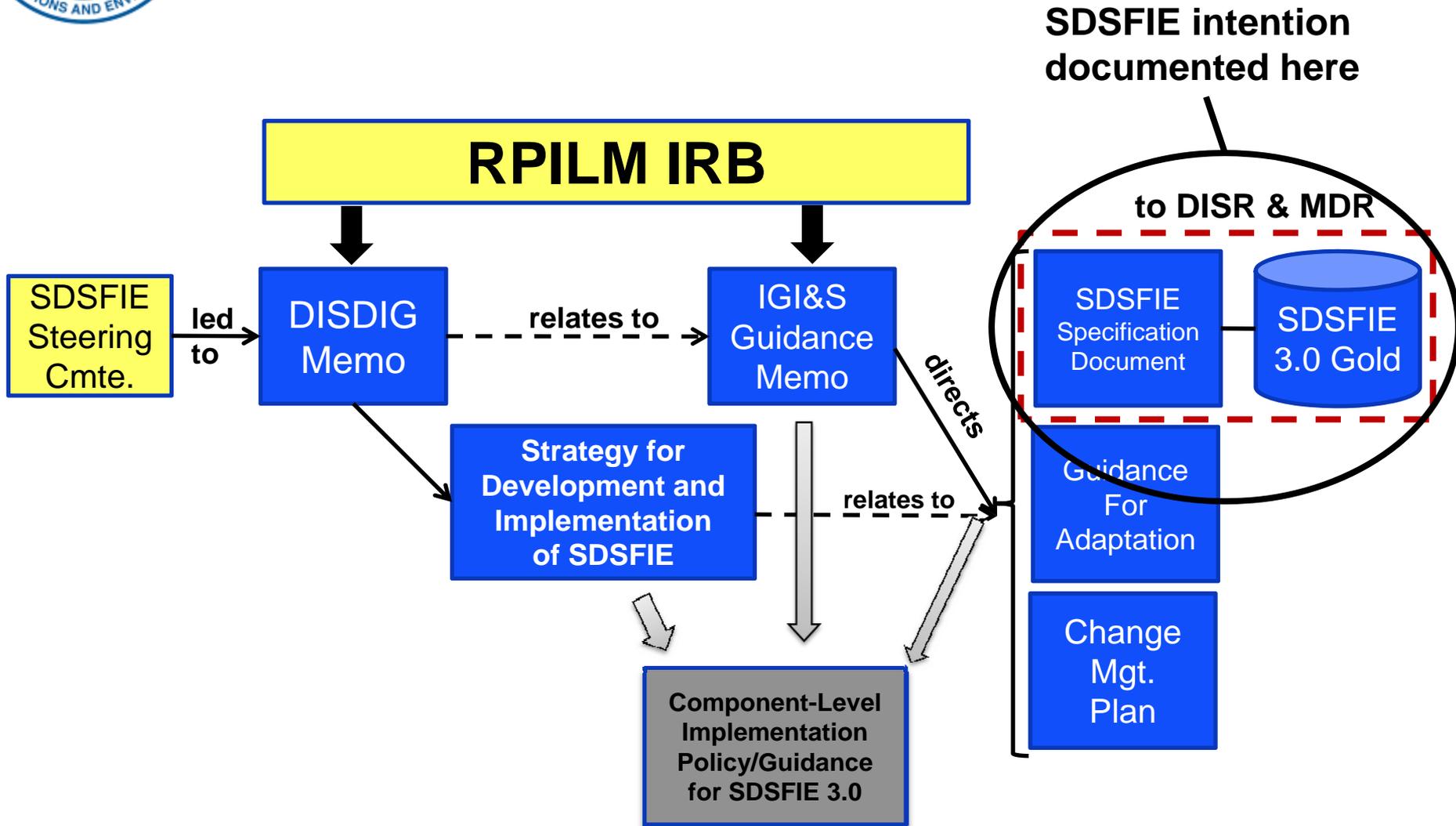
Other Themes = 4

Net reduction = 76



# SDSFIE Policy & Guidance Flow

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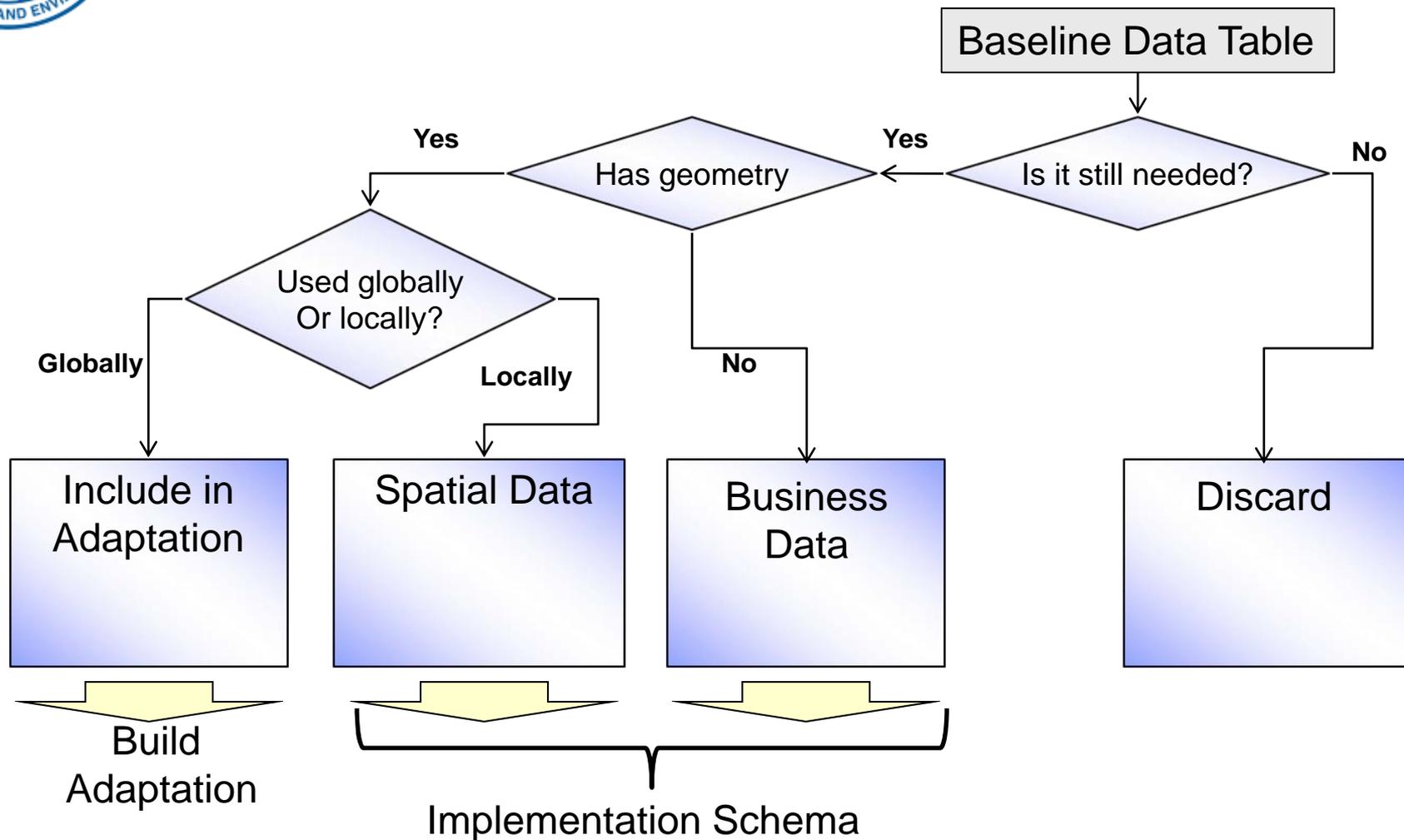


# INTERPRETATION



# Finding a Place for Local Data

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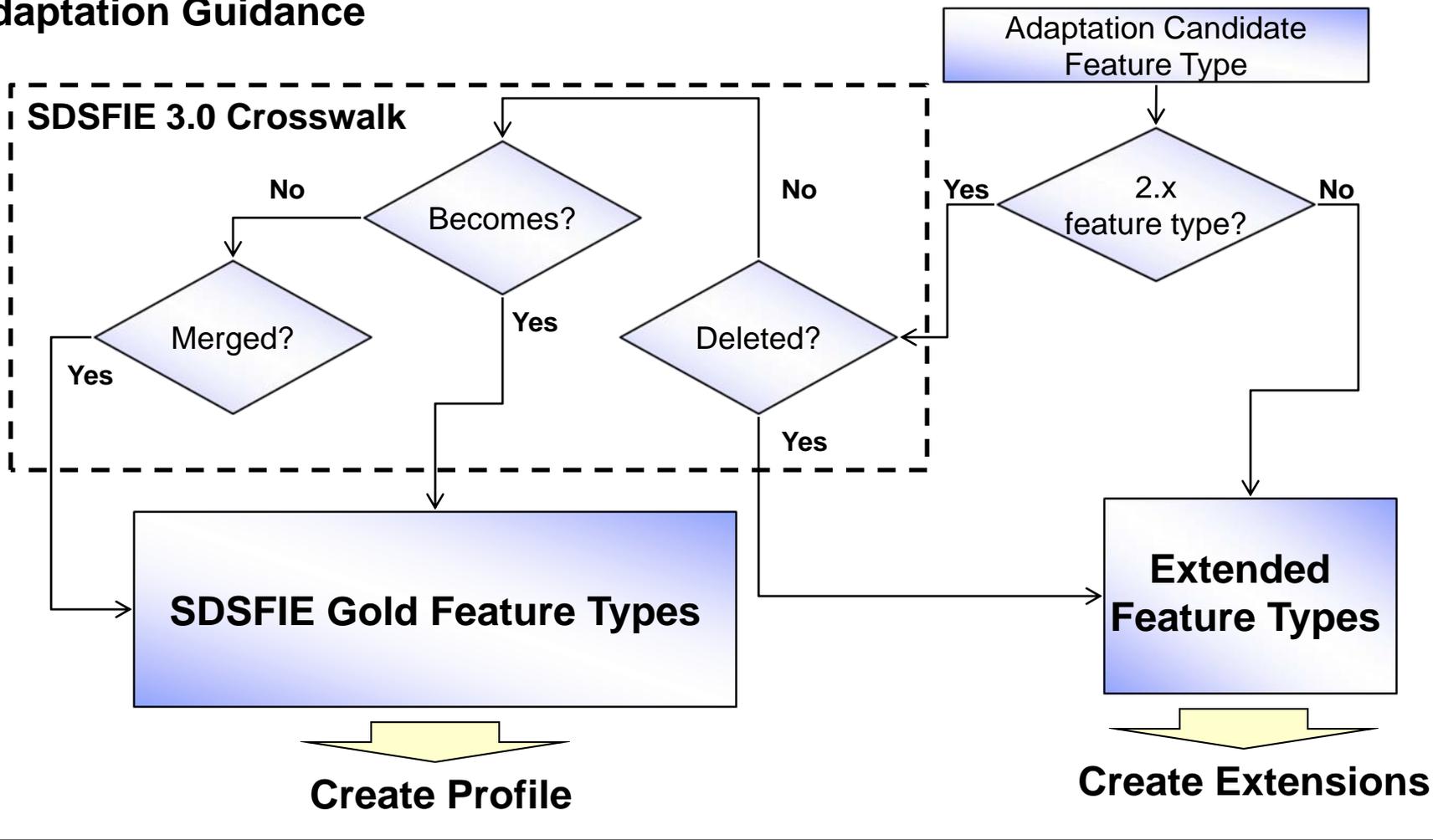




# Interpreting Adaptation

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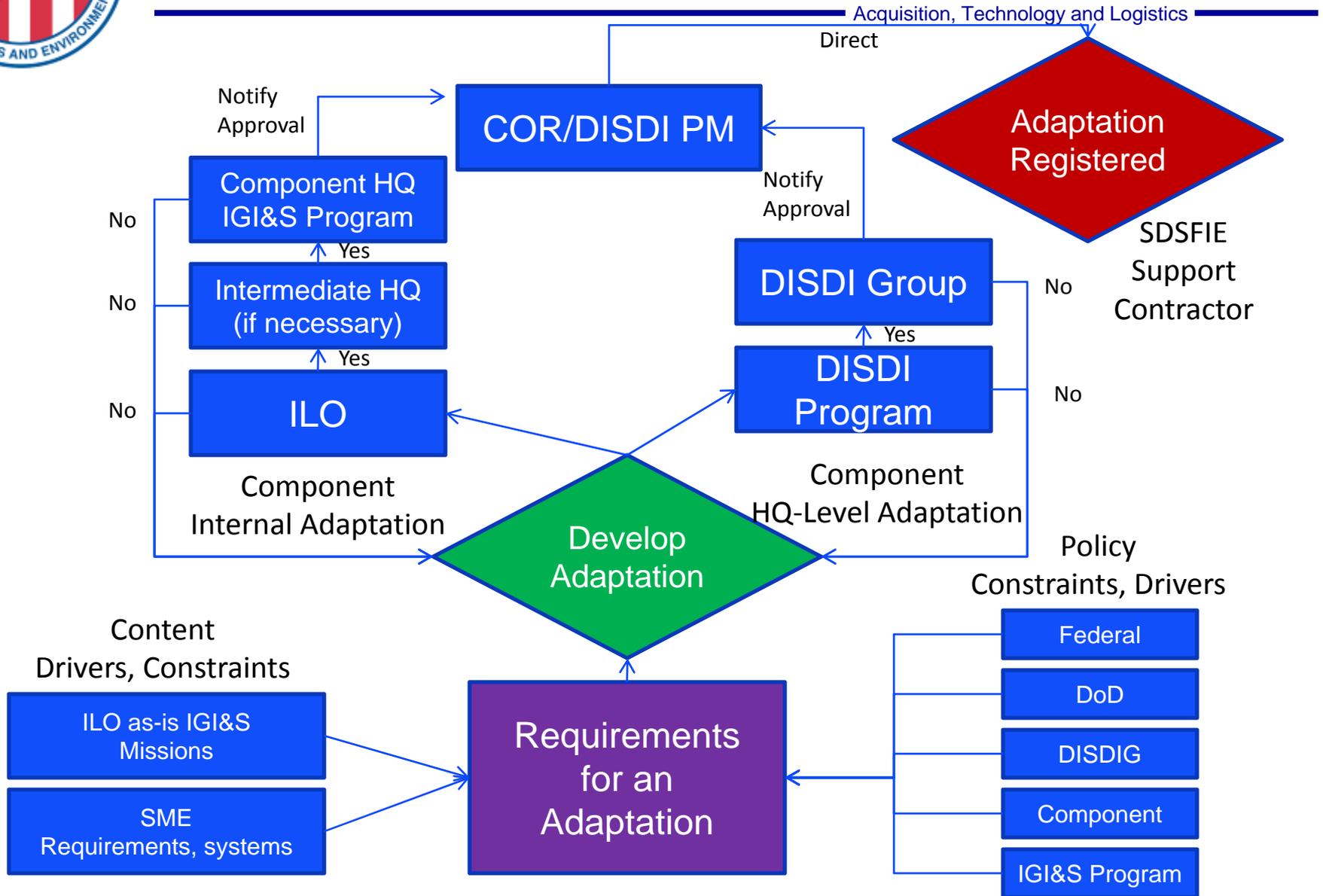
## Adaptation Guidance







# Adaptation Review Process





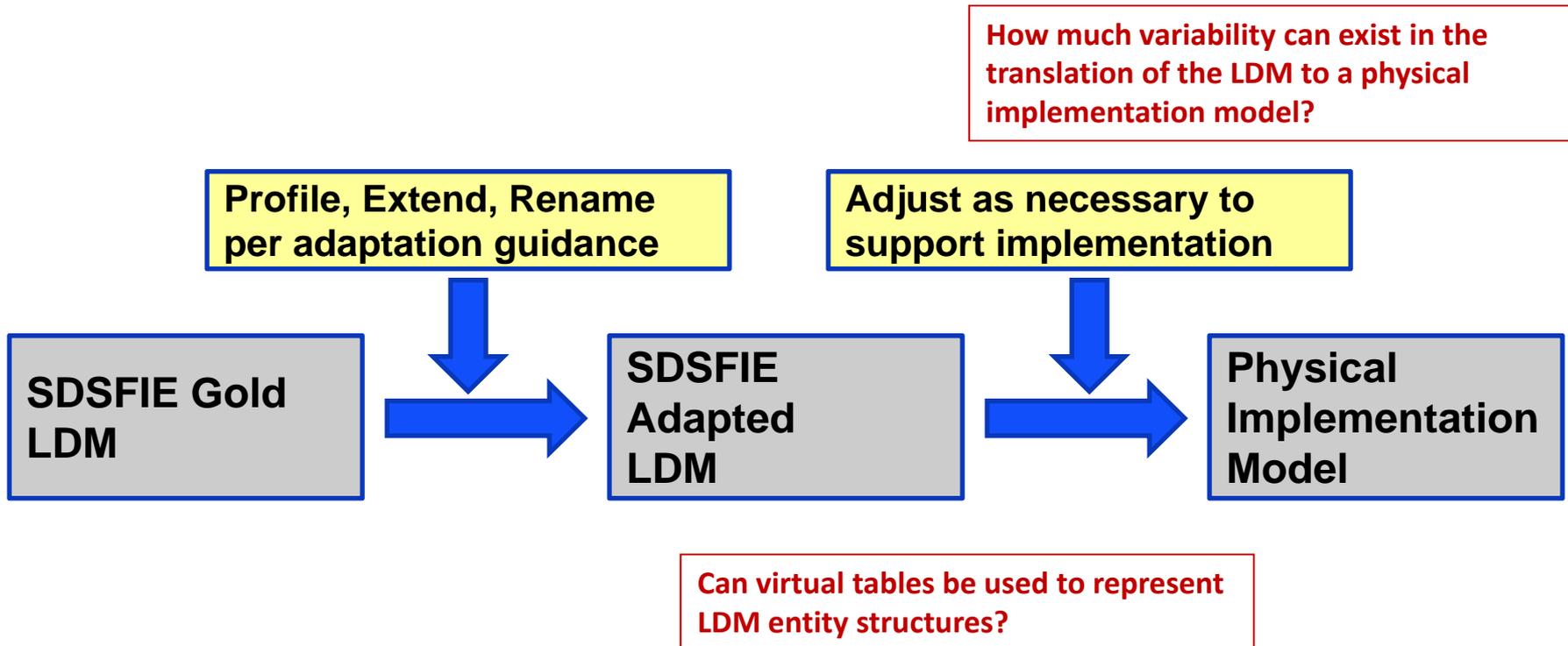
# IMPLEMENTATION



# Fine Tuning Adaptation

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**Adaptation guidance was largely formulated without much consideration of physical implementation because physical implementation issues were not well known.**





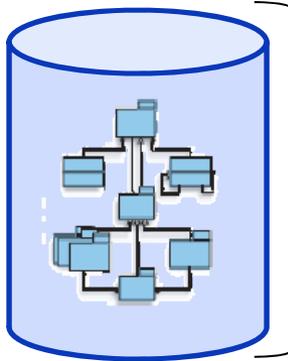


# Schema Governance vs Data Governance

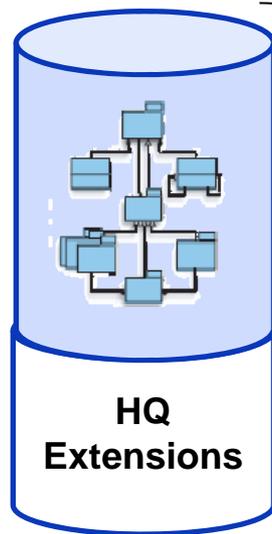
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Component-level governance (other than for SDSFIE) is needed to define what is permissible here

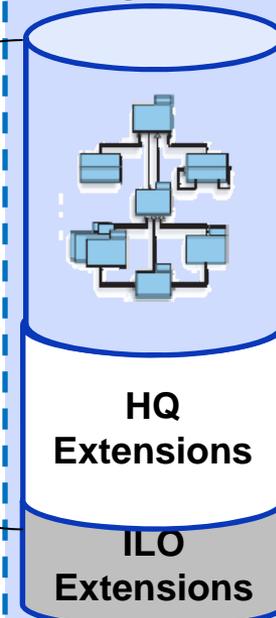
SDSFIE 3.0 Gold



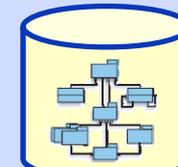
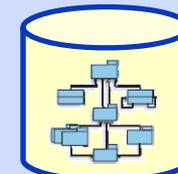
Component HQ Adaptation



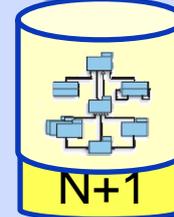
ILO Adaptation



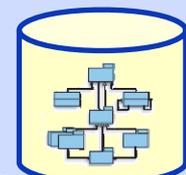
AIXM Data (e.g.)



Endangered Species (e.g.)



Business Data



Soils (e.g.)

No Geometry

HQ Extensions

ILO Extensions

N+1

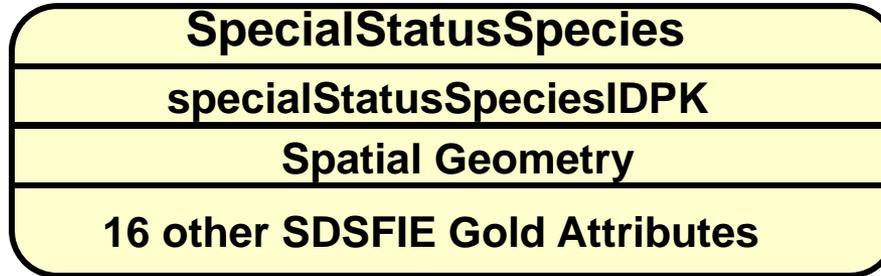
Has Geometry



# Virtually Constructing LDM Objects

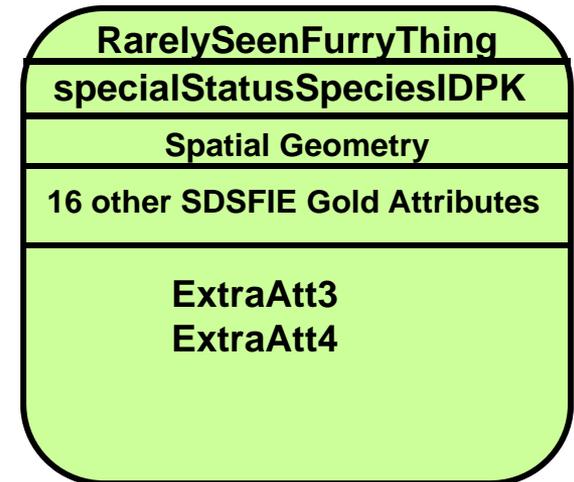
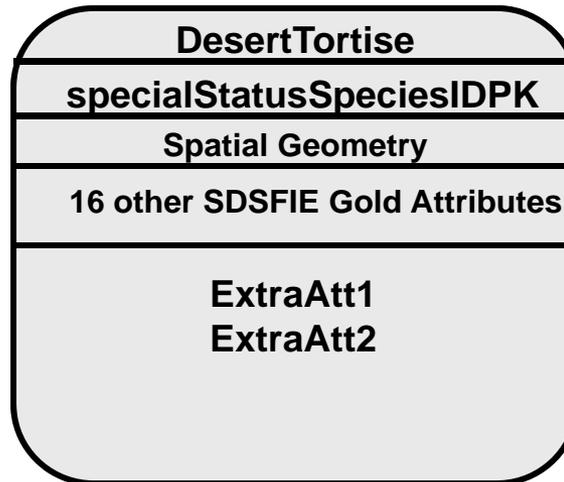
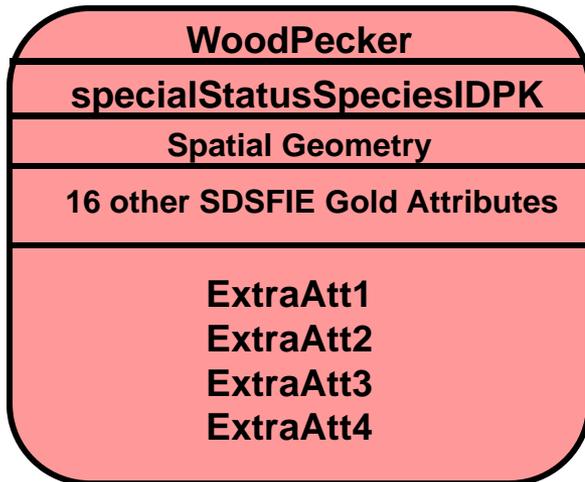
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## 1 Virtual Object



Aggregated into a view

## 3 Physical Tables





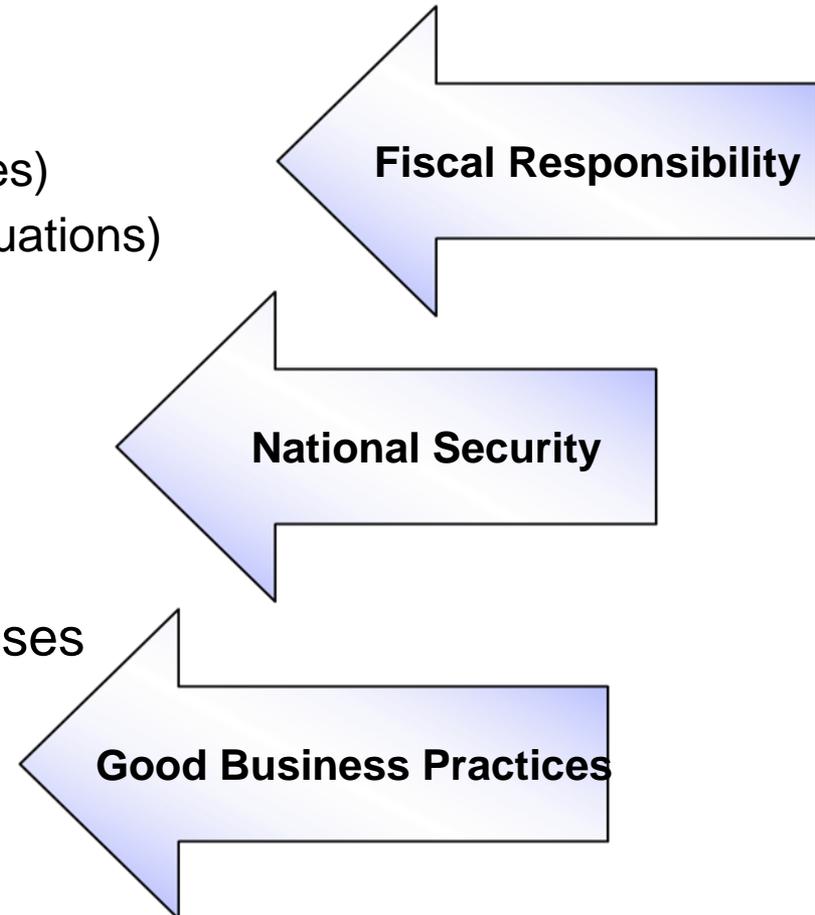
# TAKE AWAY POINTS



# Enterprise Compliance Drivers

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- Interoperability
  - Data (information sharing)
  - Apps (build once use many times)
  - Users (train user once for all situations)
- NetCentricity (DODD 8320.02)
  - Visible
  - Accessibility
  - Understandability
- New enterprise business processes
  - Real property

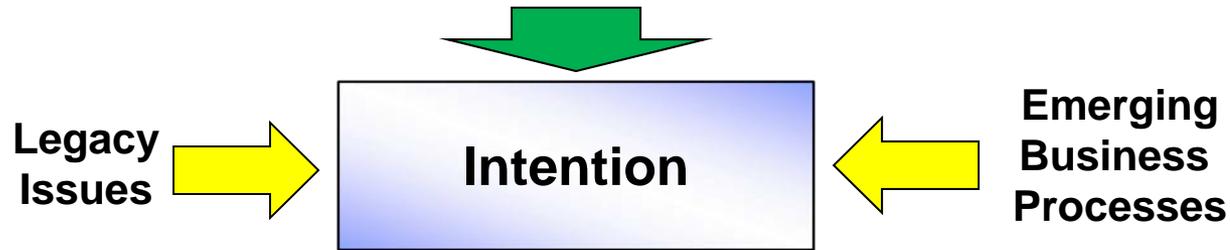




# Take Away Points

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## SDSFIE 2.6 Structure



## SDSFIE 3.0 Gold



## SDSFIE 3.0 Adaptation



**Compliance**

**SDSFIE 3.0  
Implementation Schema**