



# SPATIAL DATA STANDARD FOR FACILITIES, INFRASTRUCTURE & ENVIRONMENT (SDSFIE)

## SDSFIE 3.0 Goal - One feature, one definition.

The standard is being reengineered from a Physical Data Model (PDM) to a Logical Data Model (LDM). The new LDM will be compliant with existing standards to improve interoperability. A new web-based toolset will accompany the standard to ensure compliance, flexibility, and adaptability. The use of Universal Modeling Language (UML) will make the LDM easier to maintain and will assist subject matter experts in more clearly integrating requirements.

## SDSFIE's Guiding Principles

1. SDSFIE will focus on the geospatial representation of features and maintain a minimum number of attributes. It will link to business databases for attribute data and not duplicate attributes found in business databases
2. SDSFIE will provide a data model that is scalable from local to global and from installation mapping up to Service and Department level
3. If a relevant data content standard already exists, SDSFIE will incorporate it into the model rather than develop new content
4. SDSFIE standard development will follow a nationally-recognized development process
5. SDSFIE will reside in the public domain and is vendor neutral
6. The standard will be responsive to the business needs of data creators and end users
7. SDSFIE is governed and managed by the DISDI Group

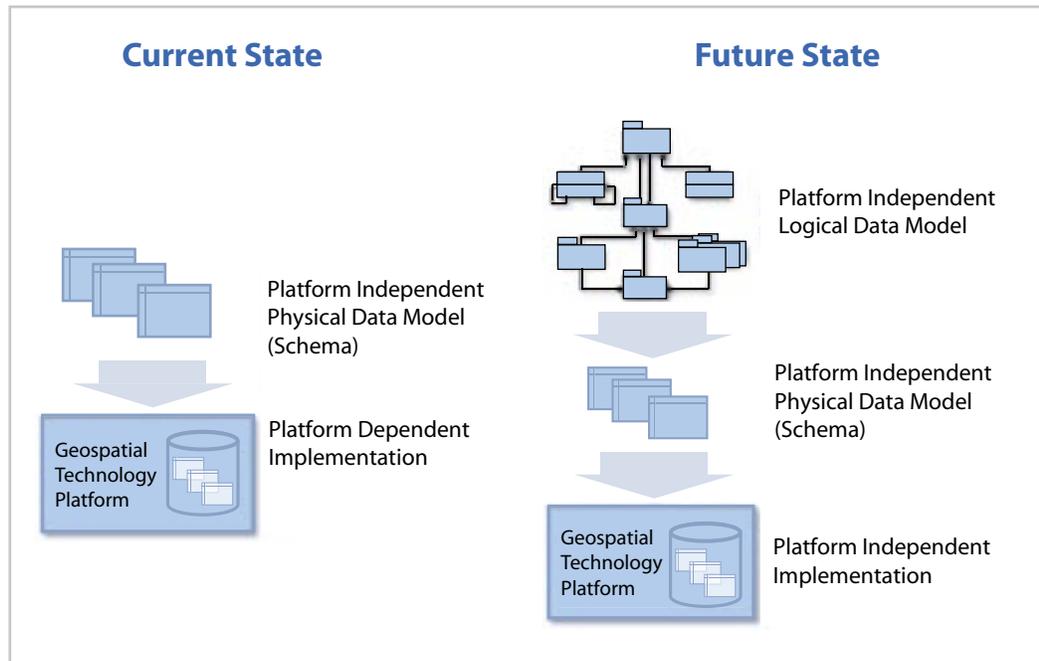
*Vision: The single DoD spatial standard that supports common implementation and maximizes interoperability for Installation, Environment, and Civil Works missions.*

## A Suite of Implementation Tools

Upon release, SDSFIE 3.0 will be supplemented by a full suite of web-based tools:

- *Model Registry/Repository* – Tools to store (and find) models (for example, LDM Adaptations)
- *Database Creation* – Tools to create databases for a variety of formats
- *Database Migration & Sharing* – Tools to migrate databases, both from SDSFIE version upgrades as well as software formats, and share database implementations
- *Database Validation* – Tools to validate SDSFIE conformance





## What is Adaptation?

Adaptation allows authorized users or organizations to tailor the SDSFIE to their mission needs while remaining compliant. Adaptation will be accomplished using the web-based tool to be available starting with once SDSFIE 3.0 is released. The process of Adaptation involves profiling and extension.

- *Profiling* is the generation of a strict subset of a model to form another model
- *Extension* is the addition of model elements to one model to form another model

## Contact

For more information, contact the STARS Team (Solutions and Technology for the Advancement and Refinement of the SDSFIE):

- Northrop Grumman, IT TASC (Prime)
- Booz Allen Hamilton
- CLMS, LLC
- ESRI
- Image Matters LLC
- Michael Baker Corp.
- Upper 90 Systems, Inc.
- 3001, Inc.

*Register for enhanced access to information, forums, model review and downloads.*

[www.sdsfie.org](http://www.sdsfie.org)

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