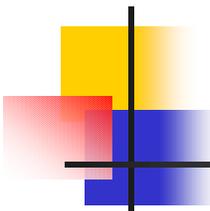


NAMING CONVENTIONS

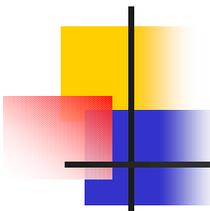
FMSFIE STANDARDS

MAY 1, 2001



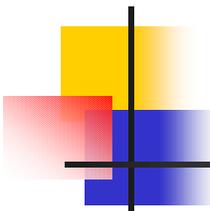
Purpose

- Incorporate DISA naming conventions
- Provide a consistent means of abbreviating data names to a reasonable length without sacrificing readability
- Develop a methodology to migrate legacy data into an FIE enterprise approach



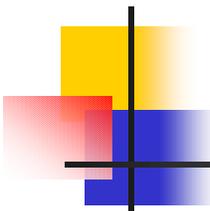
Goals

- Be flexible enough to accommodate other corporate businesses
- Reduce redundancy, inconsistency, and maintenance costs
- Improve communication/coordination between decision makers
- Improve information interoperability



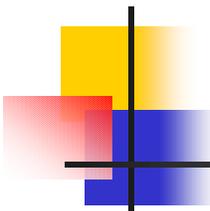
General Guidelines

- Use DISA data element naming guidelines
- Ensure data names, definitions, and abbreviations are used consistently within the FMSFIE
- Common names should reflect the user's view



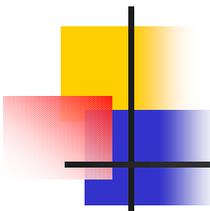
FMSFIE Table Naming

- Logical Data Model Name
 - Composed of the Family name followed by a space followed by the Common name (ex. Water Tank)
 - Limited to 75 characters in length
- Common Name (FMSFIE Data Library)
 - Named so that it is meaningful to user
 - Limited to 50 characters in length



FMSFIE Table Naming

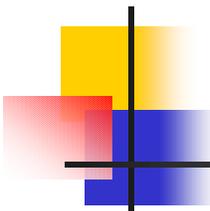
- Physical Database Table Name
 - Composed of the abbreviations of the following:
 - Set (2 characters) – AM = Asset Management
 - Class (3 characters) – FAC = Facility
 - Sub-Class (3 characters) – UTL = Utilities
 - Family (3 characters) – WAT = Water System
 - Common Name (3 characters) - TNK = Tank
 - Has the abbreviations concatenated together without any spaces (ex. AMFACUTLWATTNK)
 - Limited to 14 characters in length



FMSFIE Logical Data Model

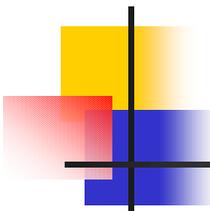
Attribute Naming

- Use the DISA data element (attribute) name if one exists
- Otherwise, follow DISA data element (attribute) naming conventions
- Name is Composed of the following:
 - Logical Data Model Table name – Water Tank
 - Property Modifier (optional) – Install
 - Class Modifier (optional) - Start
 - DISA Class Word – Date



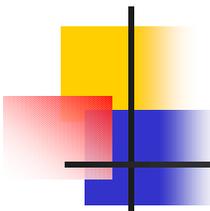
FMSFIE Logical Data Model Attribute Naming (continued)

- Example - Water Tank Install Start Date
- Limited to 100 characters in length



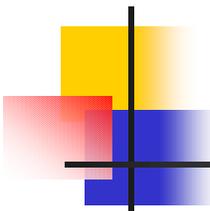
FMSFIE Common Attribute Naming (FMSFIE Data Library)

- Composed of at least two of the following:
 - Common Table Name (optional) - Tank
 - Property Modifier (optional) - Install
 - Class Modifier (optional) - Start
 - DISA Class Word (recommended) - Date
- Example – Tank Install Start Date
- Attribute Common Name must be unique within the data table



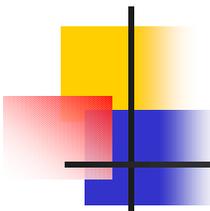
FMSFIE Common Attribute Naming (FMSFIE Data Library) (continued)

- Limited to 100 characters in length
- Named so that it is meaningful to user



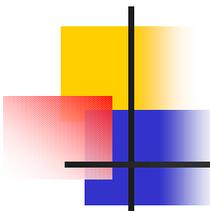
FMSFIE Physical Database Attribute Naming

- Use the DISA data element (attribute) access name if one exists
- Otherwise, the name will be composed of the abbreviations of the following:
 - Table Name (optional) - TNK
 - Property Modifier (optional) - INSTL
 - Class Modifier (optional) - START
 - DISA Class Word - DT
- Example – TNK_INSTL_START_DT



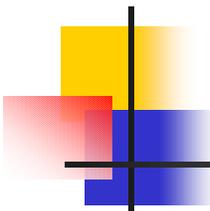
FMSFIE Physical Database Attribute Naming (continued)

- Limited to 18 characters in length
- Separate abbreviations with underscores
- Keys (primary or foreign) will end with “_ID”
- Fields with associated domain tables will end with “_CD”
- DISA class words may be used in the Physical Database Name other than in the last three positions



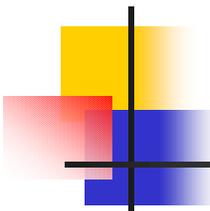
Naming Abbreviation Guidelines for Physical Attribute Names

- Sources
- Methodology
- Caveats
- Rules



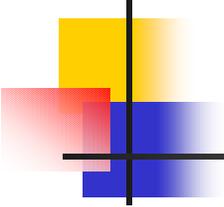
Sources

- DISA Defense Data Dictionary System (DDDS)
- FIE SDS/FMS/AEC Data Standards
- Established Service standards
- Commonly accepted dictionary abbreviations



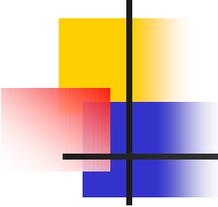
Methodology

- Abbreviate words more than 5 characters
- Establish the “root” word
- Apply the shortening and/or the discarding process
- Abbreviation of the root word should not exceed 7 characters



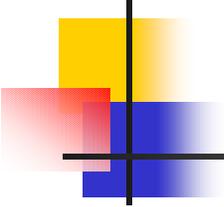
Caveats

- Guidelines may be broken with good reason from time to time for clarity or to illustrate a particular business peculiarity
- Some of the rules overlap. A decision will be made on a case by case basis.



Rules

- To be developed



FMSFIE Data Dictionary

- Use existing FIE data dictionaries as a baseline
- Establish a configuration control process
- Track standard source of abbreviation