USDA Service Center Agencies
Geospatial Data Management Team
Data Management Plan For

Common Resource Area Data

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This outline is to be used in the formulation of information pertaining to each of the identified data themes to be deployed by the Service Center Agencies (SCA). Once compiled this information will become part of the overall Geospatial Data Management plan. This outline is intended as a guide for the content and form of the information required for each data theme as well as the organization of the information.

I. Purpose and Scope (business case)

A. Purpose

B. Scope

II. Acquisition

A. Data Source

1. Producer Information
   a. Name
   b. Location of Headquarters
   c. Internet Address
2. Publisher Information
   a. Name
   b. Location of Headquarters
   c. Internet Address
3. Acquisition Information
   a. Delivery Media
   b. Download URL
   c. Projected Data Availability Schedule

B. Standards Information

1. Geospatial Data Standard
   a. Standard Name and Steward Information

      United States Department of Agriculture (USDA) Service Center Agencies (SCA) Standard For Geospatial Data

   b. Standard Version

      SCI Std 003-02
      October 15, 2003

c. Standard URL

http://www.itc.nrcs.usda.gov/scdm/docs/SPG-GeospatialDataStandard.pdf

2. Metadata Standard

a. Standard Name and Steward Information

Metadata are compliant with:
Federal Geographic Data Committee (FGDC)
Content Standard for Digital Geographic Metadata FGDC
STD-001-1998 Version 2 revised June 1998

And:
United States Department of Agriculture (USDA) Service Center Agencies (SCA)
Standard For Geospatial Dataset Metadata
SCI Std 003-02 October 15, 2003

http://www.itc.nrcs.usda.gov/scdm/docs/SPG-GeospatialDatasetFileMetadata.pdf

b. Description of Metadata Captured
c. Metadata Accuracy and Completeness Assessment

C. Acquired Data Structure

1. Geospatial Data Format

a. Format (raster, vector, etc.)
b. Format Name
c. Data Extent
d. Horizontal and Vertical Resolution
e. Absolute Horizontal and Vertical Accuracy
f. Nominal Scale
g. Horizontal and Vertical Datum

The datum is North American Datum 1983 for all appropriate areas (UTM zone 3 through 22) and World Geodetic System 1984 elsewhere. The vertical datum is mean sea level.

h. Projection
i. Coordinate Units
j. Average Data Set Size
k. Symbology

2. Attribute Data Format

a. Format Name
b. Database Size

3. Data Model

a. Geospatial Data Structure
b. Attribute Data Structure
c. Database Table Definition
d. Data Relationship Definition
e. Data Dictionary

D. Policies

1. Restrictions

a. Use Constraints
b. Access Constraints
c. Certification Issues

2. Maintenance
    a. Temporal Information
    b. Average Update Cycle

E. Acquisition Cost

1. Cooperative Agreement
    a. Description of Agreement
    b. Status of Agreement
2. Cost to Acquire Data

III. Integration

A. Value Added Process

1. Benefit to the Service Center
2. Process Model
    a. Flow Diagram
    b. Process Description
3. Technical Issues
    a. Tiling
    b. Compression
    c. Scale
    d. Tonal Matching
    e. Edge-matching
4. Quality Control
    a. Procedures
    b. Acceptance Criteria
5. Data Steward
    a. Name and Organization
    b. Responsibilities

B. Integrated Data Structure

1. Geospatial Data Format
    a. Format (raster, vector, etc.)
    b. Format Name
    c. Data Extent
    d. Horizontal and Vertical Resolution
    e. Absolute Horizontal and Vertical Accuracy
    f. Nominal Scale
    g. Horizontal and Vertical Datum
    h. Projection
    i. Coordinate Units
    j. Symbology
    http://www.itc.nrcs.usda.gov/scdm/docs/SPG-StandardforGeospatialSymbology.pdf

2. Attribute Data Format
    a. Format Name
    b. Database Size
3. Data Model
    a. Geospatial Data Structure
    b. Attribute Data Structure
    c. Database Table Definition
    d. Data Relationship Definition
    e. Data Dictionary

C. Resource Requirements

1. Hardware and Software
2. Staffing

D. Integration Cost

1. Hardware and Software
2. Staffing

IV. Delivery

A. Specifications

1. Directory Structure
   a. Folder Theme Data is Stored In
2. File Naming Convention
   http://www.itc.nrcs.usda.gov/scdm/docs/SPG-GeospatialDataSetFileNamingStandard.pdf
   a. List of Theme Files and The File Naming Convention

B. User Information

1. Accuracy Assessment
   a. Alignment with Other Theme Geospatial Data
   b. Content
2. Appropriate Uses of the Geospatial Data
   a. Display Scale
   b. Plot Scale
   c. Area Calculations
   d. Decision Making

C. Maintenance and Updating

1. Recommendations and Guidelines
   a. Original data location and structure
   b. Update Cycle
   c. Availability
   d. Change Control