

Sewer CCN Service Areas

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Identification_Information:

Citation:

Citation_Information:

Originator: TCEQ

Publication_Date: Unpublished Material

Publication_Time: Unknown

Title: Sewer CCN Service Areas

Geospatial_Data_Presentation_Form: vector digital data

Series_Information:

Series_Name: Shapefile Conversion to File Geodatabase

Publication_Information:

Online_Linkage:

Larger_Work_Citation:

Citation_Information:

Originator: TCEQ

Publication_Date: Unpublished Material

Publication_Time: Unknown

Title: Sewer CCN Service Areas

Series_Information:

Series_Name: Shapefile Conversion to File Geodatabase

Publication_Information:

Description:

Abstract:

A Certificate of Convenience and Necessity (CCN) is issued by the Texas Commission on Environmental Quality (TCEQ), and authorizes a utility to provide water and/or sewer service to a specific area. The CCN obligates the water or sewer retail public utility to provide continuous and adequate service to every customer who requests service in that area. The maps and digital (spatial) data provided in the new Water Utilities Map Viewer delineate the official CCN service areas and CCN facility lines issued by the TCEQ. The Water Utilities Map Viewer may be accessed from the following web site:

<http://www.tceq.texas.gov/gis/iwudview.html>

This dataset is a Texas statewide polygon layer of sewer CCN service areas. The CCNs were digitized from Texas Department of Transportation (TxDOT) county mylar maps. The mylar maps were the base maps on which the CCNs were originally drawn and maintained. CCNs are currently created and maintained using digitizing methods, coordinate geography or imported from digital files submitted by the applicant. TxDOT digital county urban road files are used as the base maps on which the CCNs are geo-referenced. It is best to view the sewer CCN service area data in conjunction with the water CCN service areas, water and sewer CCN facilities line layers.

*Important Note: This CCN spatial dataset is updated on a monthly, or as needed basis using Geographic Information System (GIS) software. The official CCN spatial dataset including all types of CCN services areas (water and sewer CCN service areas; water and sewer CCN facility lines) are available for download for the entire state of Texas and is current as of their last updated date.

Purpose:

This dataset is used by TCEQ's Utilities & Districts Section to maintain a current spatial inventory of all CCNs. This information is used by state and local governmental agencies, water and sewer utility service purveyors and the public. This layer shows the official sewer CCN boundaries that have been designated by the TCEQ. All CCNs go through an application and review process before the boundaries are made official. For more information about CCN Applications please visit the following website

http://www.tceq.state.tx.us/permitting/water_supply/ud/publist.html#ccn.

Supplemental_Information:

Pursuant to V.T.C.A., Water Code, Chapter 13, sub-chapter G, any retail public water and sewer utility may obtain a certificate of convenience and necessity (CCN). Investor owned utilities (IOU), non-profit, member-owned, member-controlled water supply or sewer service corporations (WSC) incorporated under Article 1434(a) of Vernon's Texas Civil Statutes, and affected counties are required to obtain a CCN before utility service can be provided to an area already lawfully being served. A CCN gives the holder the legal right to provide water and/or sewer utility service for compensation, either directly through a monthly rate or indirectly through maintenance fees, property owners fees etc., to a particular service area and obligates the certificate holder to provide service to every customer and qualified applicant who requests service within that area.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20130118

Time_of_Day: unknown

Currentness_Reference: 20130118

Status:

Progress: In work

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -106.645918

East_Bounding_Coordinate: -93.649053

North_Bounding_Coordinate: 36.448487

South_Bounding_Coordinate: 25.837017

Keywords:

Theme:

Theme_Keyword_Thesaurus: CCN
Theme_Keyword: Certificate of Convenience and Necessity
Theme_Keyword: Sewer

Theme:

Theme_Keyword_Thesaurus: IOU
Theme_Keyword: Investor-Owned-Utility

Theme:

Theme_Keyword_Thesaurus: WSC
Theme_Keyword: Water Supply Corporation

Theme:

Theme_Keyword_Thesaurus: Certificate
Theme_Keyword: Permit

Theme:

Theme_Keyword_Thesaurus: Waste water
Theme_Keyword: Sewer

Theme:

Theme_Keyword_Thesaurus: Service provider
Theme_Keyword: Utility

Theme:

Theme_Keyword_Thesaurus: Utility
Theme_Keyword: System

Place:

Place_Keyword_Thesaurus: TX
Place_Keyword: Texas

Place:

Place_Keyword_Thesaurus: 254
Place_Keyword: Counties

Stratum:

Temporal:

Access_Constraints: Read access only.

Use_Constraints:

Acknowledgment of the TCEQ on any products using or deriving from this CCN spatial dataset would be appreciated.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Suzanne Jaster
Contact_Organization: TCEQ

Contact_Position: Senior Cartographer
Contact_Address:

Address_Type: mailing address
Address: MC-153
Address: P.O. Box 13087
City: Austin
State_or_Province: TX
Postal_Code: 78753

Contact_Address:

Address_Type: physical address
Address: 12100 Park 35 Circle
Address: Bldg. F, 3rd Floor
City: Austin
State_or_Province: TX
Postal_Code: 78753

Contact_Voice_Telephone: 512-239-6950
Contact_Facsimile_Telephone: 512-239-6972
Contact_Electronic_Mail_Address: suzanne.jaster@tceq.texas.gov
Hours_of_Service: M-F; 8:00 AM - 4:30 PM
Contact_Instructions:

For questions about the CCN spatial dataset, please contact Suzanne Jaster by E-mail at: suzanne.jaster@tceq.texas.gov

Data_Set_Credit:

This CCN spatial dataset is edited and managed in GIS by Suzanne Jaster, the Senior Cartographer and CCN Data Custodian for TCEQ's Utilities & Districts Section.

Native_Data_Set_Environment:

Microsoft Windows Vista Version 6.1 (Build 7601) Service Pack 1; ESRI ArcCatalog 9.3.1.4000

Cross_Reference:

Citation_Information:

Originator: TCEQ
Publication_Date: Unpublished Material
Publication_Time: Unknown
Title: Sewer CCN Service Areas
Series_Information:

Series_Name: Shapefile Conversion to File Geodatabase

Larger_Work_Citation:

Citation_Information:

Originator: TCEQ
Publication_Date: Unpublished Material

Publication_Time: Unknown
Title: Sewer CCN Service Areas
Series_Information:

Series_Name: Shapefile Conversion to File Geodatabase

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

All data records (attributes) are entered, updated, and maintained by the CCN data set custodian. This CCN spatial dataset only contains the CCN Mapping data obtained from the Final Maps, which were consented to by all parties and have been final ordered by the Commission. Each CCN is assigned a unique ID. The ID can be referenced back to the TCEQ's Water Utilities Database (WUD). By linking the CCN layer attribute table with the WUD database using the unique CCN ID, the CCN number, utility name, Texas County Code located in the attribute table can be verified against the values in WUD database. All CCNs and their attributes are checked for accuracy by CCN Mapping staff.

Quantitative_Attribute_Accuracy_Assessment:

Attribute_Accuracy_Explanation:

The TCEQ has utilized Arcview 3.2a to edit and maintain the CCN polygons and polylines as shapefiles. Some shapefiles were converted to a regions layer with topology using ArcGIS 8.1 on NT 4.0 (Build 1381), Service pack 5. Once the entire State is converted to GIS, the TCEQ will work towards managing the CCN spatial data layers in a personal Geodatabase using ArcGIS.

Logical_Consistency_Report:

CCNs are created, updated and maintained on a daily basis. Both spatial and attribute information are added or modified based on maps and information contained in the CCN or STM application. The attribute information is entered in the same format as it is provided by the CCN or STM applicant. All data records are managed for quality assurance and quality control by Suzanne Jaster, the CCN dataset custodian.

Completeness_Report:

The TCEQ has completed their GIS conversion of all CCNs existing on hard copy mylar maps (254 counties in Texas) to a digital format. The CCN spatial dataset is available in the following three spatial formats: shapefile (SHP), AutoCAD (DWG) and Geodatabase (MDB). This CCN spatial dataset only contains the CCN mapping data obtained from the Final Maps, which were consented to by all parties and have been final ordered by the Commission. As of the last updated date for this CCN dataset all 254 counties in Texas have been retired and are now maintained only in a GIS.

The utility names and CCN numbers represented in this CCN spatial dataset are also represented in the Water Utilities Database (WUD) as unique data records without a spatial component. Periodic checks are made to compare the utility names entered into the CCN shapefile attribute table to those existing in the WUD database. Comparisons are done by linking the unique CCN number in the attribute table with the CCN ID located in the WUD database. Any non-matching IDs are researched and corrected. The utility names located in the CCN shapefile may be shortened or abbreviated, since shape file field names have size limitations unlike the WUD database. Thus, the utility name provided in the CCN attribute table may not exactly match the utility name provided in the WUD database. However, the CCN number provided in the shapefile attribute table should match the CCN ID found in the WUD database.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

CCN service area polygons and facility lines are created and updated using the TxDOT digital county urban road series for base maps. The TxDOT county urban road files were digitized from USGS 7.5 minute quadrangles. Updates to the TxDOT urban county files are made from highway construction plans, aerial photographs, official city maps and field inventory data. City limit lines and new roads are updated prior to a map sheet being published. The Railroads may be displaced laterally as much as 200 feet from their true position when they parallel to roads or located in congested areas. The hydrology has been generalized except for the lakes that have been digitized at the mean pool elevation as described on the USGS 7.5 minute quadrangles. All line work is done at a 1" = 1/4 mile or 1320 ft scale. TxDOT estimates that the positional accuracy of most features on their Urban county road files are approximately plus or minus 50 feet (or 15 meters). CCNs are created either by on-screen digitizing, heads-down digitizing from hard copy maps or by digital files submitted by the utility. Boundary adjustments are made based on TCEQ rules and CCN Mapping requirements.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Texas Water Commission

Originator: Texas Natural Resource Conservation Commission (TNRCC)

Publication_Date: 1986

Publication_Time: Unknown

Title: Sewer CCN Service Areas

Geospatial_Data_Presentation_Form: Mylar map

Other_Citation_Details:

Beginning Date: 1986 Ending Date: Unknown

Source_Scale_Denominator: 63360

Type_of_Source_Media: stable-base material

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1986

Beginning_Time: unknown

Ending_Date: unknown

Ending_Time: unknown

Source_Currentness_Reference: ground condition

Source_Citation_Abbreviation: CCN on TxDOT County Mylars

Source_Contribution:

Before it merged with the Air Control Board to form the TCEQ, the Texas Water Commission (TWC) maintained the CCNs. Most all CCNs were drawn on TxDOT County mylar maps at a scale of 1" = 1 mile, some due to the size of the county were drawn at 1" = 2 miles.

Process_Step:

Process_Description:

The CCNs were originally drawn and maintained on the TxDOT county mylar maps. All new and modified CCNs were changed on the mylar map. Phase I of the project involved converting the hard copy maps to digital form. Through a contract with Texas Natural Resources Information System (TNRIS), the maps were digitized off of the mylar maps and georeferenced using the TxDOT Urban Map files.

Source_Used_Citation_Abbreviation: CCNs on TxDOT County Mylars

Process_Date: 11-01-1998

Process_Time: UNKNOWN

Source_Produced_Citation_Abbreviation: S:\UD\CCN\ccn_working\ccn

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Suzanne Jaster

Contact_Organization: TCEQ

Contact_Position: Senior Cartographer

Contact_Address:

Address_Type: mailing address

Address: MC-153

Address: P.O. Box 13087

City: Austin

State_or_Province: TX

Postal_Code: 78711-3087

Contact_Voice_Telephone: 512-239-6950

Contact_Facsimile_Telephone: 512-239-6972

Contact_Electronic_Mail_Address: suzanne.jaster@tceq.texas.gov

Hours_of_Service: M-F; 8 AM - 5 PM

Contact_Instructions:

If you have any questions about the CCN metadata, you may contact Suzanne Jaster by phone at: (512) 239-6950 or by E-mail at suzanne.jaster@tceq.texas.gov.

Process_Step:

Process_Description:

Phase II: This is the current phase of the project.

There are two processes taking place simultaneously in this phase:

1) TCEQ must check and verify the accuracy of the CCNs that were digitized in Phase I, and 2) new CCNs and CCN amendments must be kept up-to-date in the layer.

1) Check and verify digitized CCN: All CCNs are being corrected using TxDOT Urban road files and the TxDOT County boundary layer for the base map. The CCNs are visually inspected on-screen and compared to the CCNs on the mylar maps. CCNs are created and updated using on-screen digitizing methods, coordinate geography (when the information is available), imported digital files (when files are available) and heads-down digitizing when needed. TCEQ is requesting that any maps submitted with the CCN application also be submitted digitally if the data is available. For more for more information, please refer to this page:

http://www.tceq.state.tx.us/permitting/water_supply/ud/publist.html

The Utility Financial Review Team is working county by county, checking the CCNs in each county and making sure all information is up-to-date. Once a county has been checked and updated, the mylar is retired. When a mylar is retired all subsequent

additions of CCNs and changes to CCNs within that county are made using GIS.
2) On-going layer maintenance: At this time there are three methods for adding a CCN service area to the layer: a) digitizing, b) metes and bounds, and c) digital file. TxDOT Urban Map files are used as the base map. New CCNs and CCN amendments are checked for overlaps with existing CCNs, Districts and cities, which also provide water and sewer services. If there is an overlap, the boundary will be modified to avoid the overlap.

a) Digitized CCNs: These CCNs are digitized on-screen using the map(s) and boundary description submitted by the applicant.

b) Metes and Bounds: If the application includes a map with bearings and distances and/or field notes, then this information is used to create the CCN service area. The service area is referenced using the geographic features on the base map.

c) Digital Files: If a diskette or CD containing a digital file of the CCN service area is included with the application, the file can then be reprojected (if needed) and imported directly into CCN layer. Applicants are encouraged to submit a digital file of their requested service area so that it will be more accurately represented in the CCN layer and to speed up the application process. For more information, please refer to this page: http://www.tceq.state.tx.us/permitting/water_supply/ud/publist.html

Source_Used_Citation_Abbreviation: S:\UD\CCN\ccn_working\ccn

Process_Date: Complete

Source_Produced_Citation_Abbreviation: S:\UD\CCN\ccn_working\ccn_s

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Suzanne Jaster

Contact_Organization: TCEQ

Contact_Position: Senior Cartographer

Contact_Voice_Telephone: 512-239-6950

Contact_Facsimile_Telephone: 512-239-6972

Contact_Electronic_Mail_Address: suzanne.jaster@tceq.texas.gov

Hours_of_Service: M-F; 8 AM - 4:30 PM

Process_Step:

Process_Description: Metadata imported.

Source_Used_Citation_Abbreviation: ccn_s.txt

Process_Date: 20121207

Process_Time: 17223300

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tracy Harbour

Contact_Organization: TCEQ

Contact_Position: Project Manager for Water Utilities Map Viewer

Contact_Voice_Telephone: (512) 239-6952

Contact_Facsimile_Telephone: (512) 239-6972

Contact_Electronic_Mail_Address: tracy.harbour@tceq.texas.gov

Hours_of_Service: M-F; 9 AM-6 PM

Process_Step:

Process_Description: Dataset copied.

Source_Used_Citation_Abbreviation: \\PC044984\C\$\Gis\ccn_working\CCN.gdb

Process_Date: 20130107

Process_Time: 16352000

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tracy Harbour

Contact_Organization: TCEQ

Contact_Position: Project Manager for Water Utilities Map Viewer

Contact_Voice_Telephone: (512) 239-6952

Contact_Facsimile_Telephone: (512) 239-6972

Contact_Electronic_Mail_Address: tracy.harbour@tceq.texas.gov

Hours_of_Service: M-F; 9 AM - 6 PM

Process_Step:

Process_Description: Dataset copied.

Source_Used_Citation_Abbreviation: \\Msgiswrk\ud\CCN\CCN_UPDATE.gdb

Process_Date: 20130118

Process_Time: 11163600

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tracy Harbour

Contact_Organization: TCEQ

Contact_Position: Project Manager for Water Utilities Map Viewer

Contact_Voice_Telephone: (512) 239-6952

Contact_Facsimile_Telephone: (512) 239-6972

Contact_Electronic_Mail_Address: tracy.harbour@tceq.texas.gov

Hours_of_Service: M-F; 9 AM - 6 PM

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 1389

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000
Longitude_Resolution: 0.000000
Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Resolution: 1.000000
Altitude_Encoding_Method:
Explicit elevation coordinate included with horizontal coordinates

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: TCEQ_CCN_SEWER
Entity_Type_Definition: SEWER CCN SERVICE AREAS

Attribute:

Attribute_Label: OBJECTID
Attribute_Definition: Internal feature number.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:

Unrepresentable_Domain:
Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: UPDATED
Attribute_Definition:
This date field indicates the most recent date the CCN attributes were changed for any field within each record.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: CCN

Attribute_Definition:

The five-digit alphanumeric field contains a unique number assigned to each CCN when it is created and approved by the Commission.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute_Measurement_Frequency: As needed

Attribute:

Attribute_Label: UTILITY

Attribute_Definition:

An alphanumeric field containing the name of the utility which owns the CCN

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute_Measurement_Frequency: As needed

Attribute:

Attribute_Label: APP_NO

Attribute:

Attribute_Label: TYPE

Attribute_Definition:

This numeric field indicates whether a CCN is considered a water or sewer system. If the CCN number begins with a "1", the CCN is considered a water system (utility). If a CCN number begins with a "2", this CCN is considered a sewer system.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute_Measurement_Frequency: As needed

Attribute:

Attribute_Label: FIPS

Attribute:

Attribute_Label: TX_CNTY

Attribute_Definition:

This three-character alphanumeric field, which contains the Texas county code as

assigned to the Texas county by the Texas Department of Transportation (TXDOT). This code represents the county which completely contains the CCN. If the CCN crosses county lines, then an "M" is used to indicate multiple counties. The individual counties can be obtained by linking to the WUD database or doing a query on the CCN spatial dataset.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute_Measurement_Frequency: As needed

Attribute:

Attribute_Label: MYLAR

Attribute:

Attribute_Label: APPROVED

Attribute:

Attribute_Label: METHOD

Attribute:

Attribute_Label: COMMENTS

Attribute:

Attribute_Label: FINAL_MAP

Attribute:

Attribute_Label: SHAPE.AREA

Attribute:

Attribute_Label: SHAPE.LEN

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

TCEQ/ Water Supply Division/ Utilities & Districts Section/Utilities Financial Review Team

Contact_Person: Suzanne Jaster and Tracy Harbour

Contact_Position: CCN Mapping Staff

Contact_Address:

Address_Type: mailing address
Address: MC-153
Address: P.O. BOX 13087
City: Austin
State_or_Province: TX
Postal_Code: 78711-3087

Contact_Voice_Telephone: 512-239-4691
Contact_Facsimile_Telephone: 512-239-6972
Contact_Electronic_Mail_Address: utildist@tceq.texas.gov
Hours_of_Service: M-F 8 AM - 5 PM
Contact_Instructions:

Please E-mail your questions or comments to CCN Mapping staff at:
utildist@tceq.texas.gov

Resource_Description:

Downloadable Data available from the Water Utilities Map Viewer, which may be accessed from the following web site: [<http://www.tceq.texas.gov/gis/iwudview.html>](http://www.tceq.texas.gov/gis/iwudview.html)

Distribution_Liability:

Although this CCN spatial dataset has been processed successfully on a computer system using Geographic Information System (GIS) software at the TCEQ, no warranty expressed or implied is made by the TCEQ regarding the use of the spatial data on any other system, nor shall the act of distribution constitute any such warranty.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 6.064

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

[<http://gis3.tceq.state.tx.us/iWudSpatialEx/Controller/?ccn=&zipCode=>=](http://gis3.tceq.state.tx.us/iWudSpatialEx/Controller/?ccn=&zipCode=)

Access_Instructions:

May access CCN spatial data from the Water Utilities Map Viewer located at the URL listed above.

Fees: N/A

Ordering_Instructions: N/A

Turnaround: N/A

Available_Time_Period:

Time_Period_Information:

Single_Date/Time:

Metadata_Reference_Information:

Metadata_Date: 20130128
Metadata_Future_Review_Date: unknown
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tracy Harbour
Contact_Organization: TCEQ

Contact_Position: Project Manager for Water Utilities Map Viewer
Contact_Address:

Address_Type: mailing address
Address: MC-153
Address: P.O. Box 13087
City: Austin
State_or_Province: TX
Postal_Code: 78711-3087

Contact_Address:

Address_Type: physical address
Address: 12100 Park 35 Circle
Address: Bldg. F
City: Austin
State_or_Province: TX
Postal_Code: 78753

Contact_Voice_Telephone: 512-239-6952
Contact_Facsimile_Telephone: 512-239-6972
Contact_Electronic_Mail_Address: tracy.harbour@tceq.texas.gov
Hours_of_Service: M-F 9 AM - 6 PM
Contact_Instructions:

If you have any questions about the CCN metadata, you may contact Tracy Harbour by E-mail at: tracy.harbour@tceq.texas.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>
Profile_Name: ESRI Metadata Profile