






## Document Revisions

Revision	Date	Author	Description	Affected Pages
1.0	10/13/2023	Frank P. Lahm III, Erin Smith, Dana Baker-Allum	Initial Release	All

## Navigation

This document is easier to view if the Microsoft Word Navigation pane is displayed (View -> Navigation Pane). If viewing in PDF format, open the document in Acrobat and click the Contents button. 

This document uses hyperlinks to display additional information on topics. External links are displayed with an [underline](#).

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# 1 General Information

The Master Title Plat (MTP) theme is established to host current federal land status information for Oregon and Washington. The Master Title Plat is the official Land Status record that portrays the current federal land status; the Historical Index (HI) contains the historical land status. Land status is based on the concepts of an original public domain of all potential surface and subsurface rights subject to appropriation over time. Appropriation encompasses actions that pass rights to and from the US, modify their spatial extents, assign managing federal agencies, impose and revoke restrictions on the rights, and grant and terminate authorized use of US rights. The feature classes within this dataset organize the effects of the appropriations as attributes that, when displayed spatially, produce the MTP as well as provide the ability to query views of the current federal land status.

Users are reminded that the official records for federal land status are the Master Title Plats (MTP) and Historical Indices (HI), which are maintained at the Oregon State Office of the Bureau of Land Management and published on the BLM internet site.

- Dataset (Theme) Name: Master Title Plat
- Dataset (Feature Classes and Tables): AUTHUSELINE, AUTHUSELINEAnno, AUTHUSELINE\_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLYAnno, AUTHUSEPOLY\_HISTORICAL, CARTOAnno, CARTOLine, CARTOPoly, LOTSANNO, MNGAGENCY, MNGAGENCY\_HISTORICAL, MTPFRAME, MTPTWP, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONS, SEGREGATIONS\_HISTORICAL, SEGREGATIONSAnno, SUBCASEPOLY, SUBCASEPOLY\_HISTORICAL, SUBCASEPOLYAnno, SURFCASELINE, SURFCASELINE\_HISTORICAL, SURFCASELINEAnno, SURFCASEPOLY, SURFCASEPOLY\_HISTORICAL, SURFCASEPOLYAnno, HI.

## 1.1 Roles and Responsibilities

Table 1 Roles and Responsibilities

Roles	Responsibilities
<a href="#">State Data Steward</a>	The State Data Steward responsibilities include approving data standards and business rules, developing Quality Assurance/Quality Control procedures, identifying potential Privacy issues, and managing that data as a corporate resource. The State Data Steward coordinates with field office data stewards, the State Data Administrator, Geographic Information System (GIS) coordinators, and national data stewards. The State Data Steward reviews geospatial metadata for completeness and quality.
<a href="#">GIS Technical Lead</a>	The GIS Technical Lead works with data stewards to convert business needs into GIS applications and derive data requirements and participates in the development of data standards. The GIS technical lead coordinates with system administrators and GIS coordinators to manage the GIS databases. The GIS technical lead works with data editors to ensure the consistency and accordance with the established data standards of data input into the enterprise Spatial Database Engine (SDE) geodatabase. The GIS technical lead provides technical assistance and advice on GIS analysis, query, and display of the dataset.
<a href="#">State Data Administrator</a>	The State Data Administrator provides information management leadership, data modeling expertise, and custodianship of the state data models. The State Data Administrator ensures compliance with defined processes for development of data standards and metadata, and process consistency and completeness. The State Data Administrator is responsible for making data standards and metadata accessible to all users. The State Data Administrator coordinates with data

	stewards and GIS coordinators to respond to national spatial data requests.
<a href="#">State FOIA/Privacy Act Team Lead</a>	The State FOIA/Privacy Act team lead assists the state data steward to identify any privacy issues related to spatial data. The State FOIA/Privacy Act team lead also provides direction and guidance on data release, fees, and classification under the appropriate Freedom of Information Act exemption.
<a href="#">State Records Administrator</a>	The state records administrator classifies data under the proper records retention schedule.

## 1.2 FOIA Category

These data fall under the standard Records Access Category 1B - BLM Records that may contain protected information that must be considered for segregation prior to release. See section 8 for more information on which data are available to the public.

## 1.3 Records Retention Schedule

The DRS/GRS/BLM Combined Records Schedule, under Schedule **20/52a1** (Electronic Records/Geographic Information Systems), lists this theme, **Cadastral/Public Land Survey System/Land Status**, as one of the system-centric themes that are significant for BLM's mission that must be permanently retained.

"PERMANENT. Cutoff at the end of each Fiscal Year (FY) or when significant changes and additions have been made, before and after the change. Use BLM 20/52a. Transfer to the National Archives every three years after cutoff. Under the instruction in 36 CFR 1235.44-50 or whichever guidance is in place at the time of the transfer. Submissions are full datasets and are in addition to, not replacements of, earlier submissions."

Oregon/Washington (OR/WA) Bureau of Land Management (BLM) Guidebook for Management of Geospatial Data (v1) Section 15.2 - Corporate Data Online Archives prescribes:

Vector annual archives are retained online for 12 years. Each year, data that has reached 12 years old is copied off-line to be retained until no longer needed (determined by data stewards and program leads) with format and readability maintained in a five (5) year "tech refresh" update cycle."

## 1.4 Security/Access/Sensitivity

The Master Title Plat set of themes do not require any additional security other than that provided by the General Support System (the hardware/software infrastructure of the Oregon/Washington (OR/WA) Bureau of Land Management (BLM)).

This dataset is BLM data that may contain protected information that must be considered for segregation prior to release to the public. This dataset falls under the standard Records Access Category 1B- Public Data, Reviewed before Release.

There are no privacy issues or concerns associated with these data themes. A privacy impact assessment was submitted for this dataset on 10/12/2023.

## 1.5 Keywords

Keywords that can be used to locate this dataset include:

- BLM Thesaurus: Management, Authorization, Geospatial

- Additional keywords: Land Status, Foundation, Base Data, Land Records, MTP Abstract, GCDB, Segregations, Restrictions, Rights, Authorized Use, ROW, Leases, Surface, Subsurface
- ISO Thesaurus: boundaries, planning Cadastre, location

## 1.6 Subject Function Codes

BLM Subject Function codes used to describe this dataset include:

- 1275-Land Status Records
- 1283 - Data Administration
- 2000-LAND RESOURCE MANAGEMENT
- 2100-ACQUISITION
- 2200-EXCHANGE OF PUBLIC LANDS
- 2300-WITHDRAWALS
- 2400-LAND CLASSIFICATION
- 2500-DISPOSITION: OCCUPANCY AND USE
- 2600-DISPOSITION: GRANTS
- 2700-DISPOSITION: SALES
- 2800-RIGHTS-OF-WAY
- 2900-USE: LEASES AND PERMITS
- 3000-MINERALS MANAGEMENT
- 8300-RECREATION MANAGEMENT
- 9167 - Geographic Information System (GIS)
- 9600-CADASTRAL SURVEY

## 2 Dataset Overview

### 2.1 Usage

This feature dataset was established to provide current land status information feature classes that aids in making decisions related to current land status; this includes but is not limited to land use planning, watershed analysis, and project planning. This dataset provides an abstract of current land status and helps guide the user to the original official documents.

Due to the complexity of land status, users of this data should direct questions to realty specialists and/or the creators and maintainers of this dataset for land status questions. Generalizations of this data or looking at only one component of this data without looking at the entire feature classes involved will not give the full picture of land status.

Users are reminded that the official records for federal land status are the Master Title Plats (MTP) and Historical Indices (HI), which are maintained at the Oregon State Office of the Bureau of Land Management and published on the BLM internet site. The MTP and HI provide references to the source document copies available through the Land Office. The land status themes are to be used as general planning and management tools only. The themes represented in this dataset are abstracts of the data used to create the official published Master Title Plats. This data requires the same quality assurance and control that the MTPs and HIs undergo for both the data content and database maintenance. However, the official Land Tenure Records maintained by the Bureau of Land Management

and other responsible Federal agencies should always be checked for current status on specific tracts of land. Please report discrepancies in the land status themes to the BLM 957 Spatial Products – Land Status and Title Records Team from which it was obtained.

The Bureau of Land Management shall not be held liable for improper or incorrect use of the data described and/or contained herein. The data and related graphics (i.e., GIF or JPG format files) are not legal documents and are not intended to be used as such. The information contained in these data is dynamic and may change over time. The data are not better than the original sources from which they were derived. It is the responsibility of the data user to use the data appropriately and consistent with the limitations of geospatial data in general and these data in particular.

The related graphics are intended to aid the data user in acquiring relevant data; it is not appropriate to use the related graphics as data. The Bureau of Land Management gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data. It is strongly recommended that these data are directly acquired from a BLM server and not indirectly through other sources which may have changed the data in some way. Although these data have been processed successfully on computer systems at the Bureau of Land Management, no warranty expressed or implied is made regarding the utility of the data on other systems for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data and aggregate use with other data.

## 2.2 Sponsor/Affected Parties

The sponsor for this data set is the Deputy State Director, Management Services. Whenever possible, the data should be matched across jurisdictional boundaries or otherwise coordinated with other agencies or organizations.

## 2.3 Relationship to Other Datasets, Databases, or Files

Detailed case information is contained in the LR2000 database using the LR2000 format serial number attribute in the Master Title Plat dataset and the LR2000 Serial Number Suffix in LR2000 as the key link between the two.

Many of the case documents used to create the dataset can be found in the Control Document Index (CDI), General Land Office Records, or Western Oregon Access Rights Project Index.

The dataset is topologically structured with nodes being constructed from the Public Land Survey System data captured in the current Cadastral National Spatial Data Infrastructure (CadNSDI) corporate dataset. The spatial component from the CadNSDI Public Land Survey System (PLSS) Intersected data is used to build most of the geometry represented on the MTP. Any geometry from other sources is snapped to CadNSDI PLSS Intersected data where appropriate.

In some instances, other federal agency data is used to create features that do not coincide with PLSS data. Authoritative data from other Federal Land Management Agencies is used and referenced in the MTP dataset. These can be parcel-level data depicting any federal land tenure action, for example, land transfers, withdrawals, and easements. Some case legal descriptions refer to specific features such as road centerlines which may be included in other corporate datasets. The feature source is captured in the COORD\_SRC attribute. Line feature sources are more specifically identified in line features in the LINESOURCE attribute. Each feature class contains source attribution.

This dataset is a primary reference for the Surface Management Agency (SMA) dataset to determine federal interest represented in the Ownership (also known as Surface Management Agency) and Subsurface Status feature classes.

## 2.4 Data Category/Architecture Link

This data theme is a portion of the Oregon Data Framework (ODF) shown in Figure 1, Oregon Data Framework (ODF) Overview on page 9. The illustration is a simplified schematic of the entire ODF showing the overall organization and entity inheritance. The ODF utilizes the concept of inheritance to define specific instances of data. The ODF divides all OR/WA resource-related data into three general categories:

- Activities
- Resources
- Boundaries

These general categories are broken into sub-categories that inherit spatial characteristics and attributes from their parent category. These sub-categories may be further broken into more specific groups until the basic data set cannot be further sub-divided. Those basic data sets inherit all characteristics of all groups/categories above them. The basic data sets are where physical data gets populated. Those groups/categories above them do not contain actual data but set parameters which all data of that type must follow.



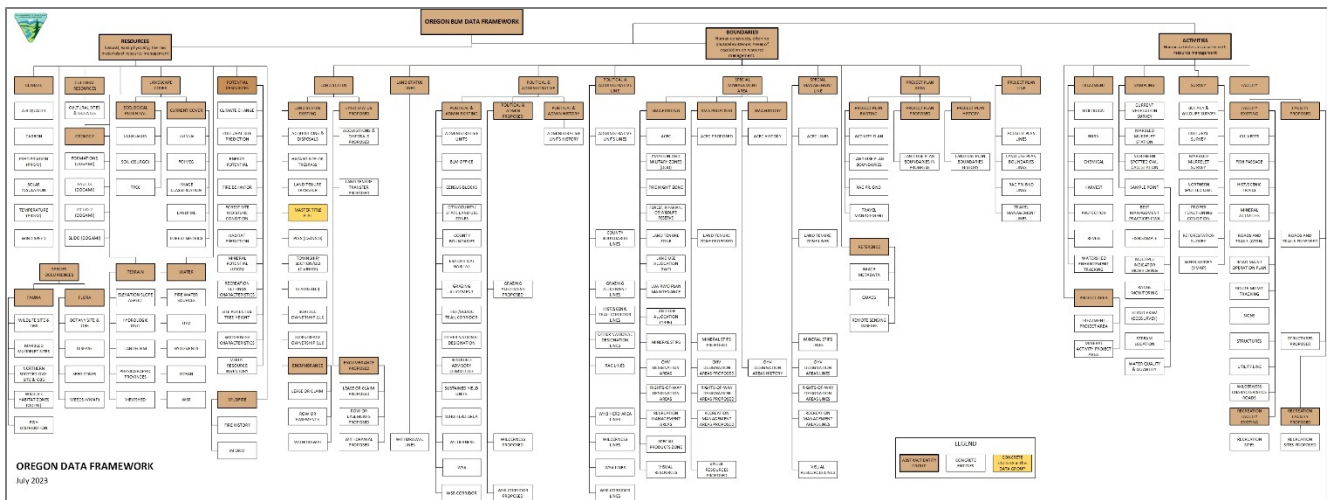


Figure 1 Oregon Data Framework Overview

For an easier to view version of the Oregon Data Framework diagram, go to:

[https://gis.blm.gov/ORDownload/DataFramework/BLM\\_ODF\\_Model\\_Mini\\_Status.pdf](https://gis.blm.gov/ORDownload/DataFramework/BLM_ODF_Model_Mini_Status.pdf).

Physical data is populated in the basic data sets. Those groups/categories above them do not contain actual data but set parameters that all data of that type must follow. See Figure 2, Data Organization Structure for a simplified schematic of the entire ODF showing the overall organization and entity inheritance. The Master Title Plat entities are highlighted. For additional information about the ODF, contact the [State Data Administrator](#). The State Data Administrator’s contact information can be found at the following link: <https://www.blm.gov/about/data/oregon-data-management>.

In the ODF, Master Title Plat dataset is considered a Boundary and categorized as follows:

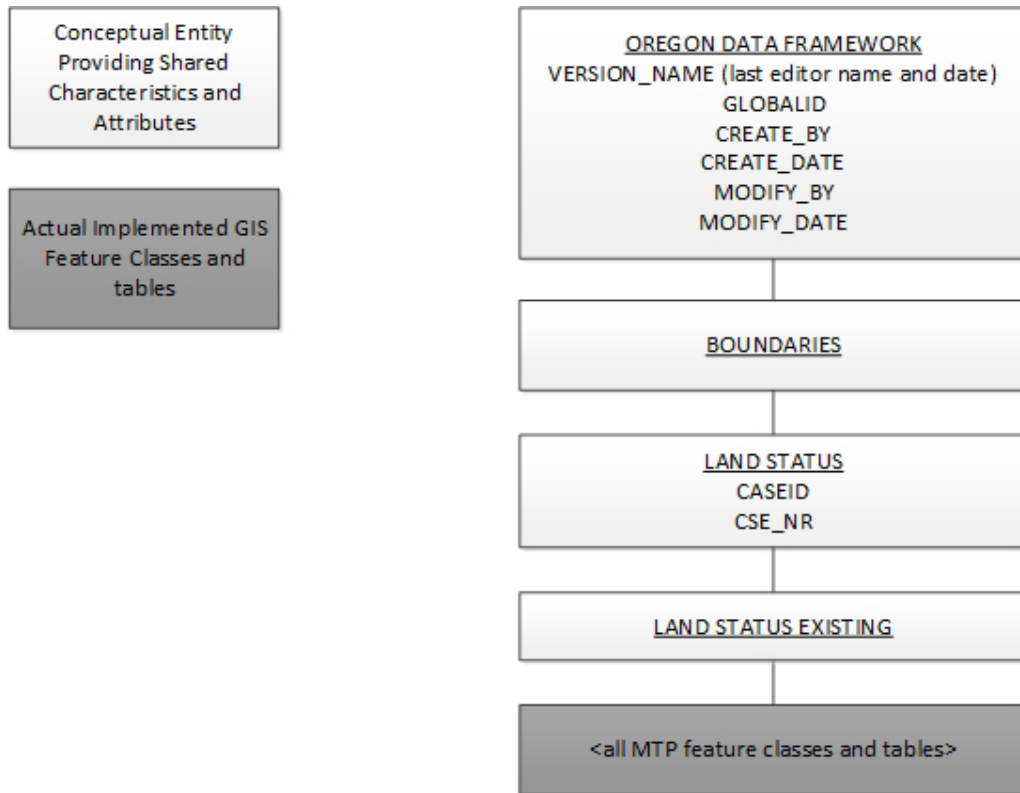


Figure 2 Data Organization Structure

## 2.5 Relationship to DOI Enterprise Architecture Data Resource Model

The Department of the Interior (DOI) Enterprise Architecture contains a component called the Data Resource Model. This model addresses the concepts of data sharing, data description, and data context. This data standard provides information needed to address each of those areas. Data sharing is addressed through complete documentation and simple data structures which make sharing easier. Data description is addressed through the section on Attribute Descriptions. Data context is addressed through the data organization and structure portions of this document. In addition, the DOI Data Resource Model categorizes data by use of standardized Data Subject Areas and Information Classes. For this data set, the Data Subject Area and Information Class are:

- Data Subject Area: Geospatial
- Information Class: Location

## 3 Data Management Protocols

### 3.1 Accuracy Requirements

The Master Title Plat dataset requires high accuracy as it is an authoritative source depicting current and historical land status in Oregon and Washington. The dataset is continuously being built upon and updated, undergoing 100% Quality Assurance and Control.

Attribute data is checked against the case file as the primary source and secondary sources such as LR2000.

### 3.2 Collection, Input, and Maintenance Protocols

The Master Title Plat dataset has been created to convert hand drawn or AutoCAD MTPs into spatially aware data to improve the accuracy of published MTP and HI data. Converting MTP data into GIS provides the ability to query views of the current federal land status and maintain those records more efficiently through the Notation Request process.

A Word version of the Historical Index (HI) for each township is converted into tabular format and updated to current standards, links to LR2000 are created and additional information such as rights and restrictions are added.

Each township undergoes conversion separately to build feature classes depicting the Surface and Subsurface estate, Segregative actions, and Authorized Use actions. Surface and Authorized Use actions may be either linear or polygonal.

The HI table with its associated link to LR2000 is used as a base to populate feature attributes. CADNSDI GIS features are the primary source for all polygonal geometry while the BLM corporate Easements and Rights-of-Way (ESMTROW) or Ground Transportation (GTRN) datasets are the primary source for all linear geometry. Linear features are snapped to CADNSDI boundaries where appropriate.

Some features lack any corporate data source and may require Coordinate Geometry (COGO), heads-up digitizing, or spatial analysis methods. All features are categorized as being created from either Provisional or Verified sources and the geometry source is captured in the COORD\_SRC attribute. The sources for line features are indicated in the LINESOURCE attribute.

MTP data for individual townships are aggregated to perform 100% QC/QA allowing minor discrepancies in attributes to be easily discovered and corrected before each aggregate group is loaded into SDE and published.

Maintenance of the dataset is performed through Job Notation Requests to update or correct HI and MTPs. Requests are submitted by Realty and Cadastral specialists as outlined in internal Instruction Memorandum OR-2020-006.

Notation Requests are completed in a versioned enterprise SDE environment. During the completion of any Notation Request, edits may be made to multiple tables and/or features as specified by the Request. The affected case is reviewed in LR2000, and corrections or updates are made or brought to the requestor's attention.

As with data collection, Notation Requests undergo 100% QC/QA before a version is submitted back into the SDE

environment.

If required by the breadth of the Notation Request, the updated HI and/or MTP are re-published to the public and internal users via the internet and the Land Status & Cadastral Survey Records application.

### **3.3 Update Frequency and Archival Protocols**

This dataset is continuously being built and updated with more townships being converted to GIS format from AutoCAD or hand drawn MTPs. Data for GIS townships is updated as needed through Notation Requests to add or remove cases, make updates, or correct errors. Internal requests are submitted through the Land Records SharePoint site following instructions in I.M. OR-2020-006.

The dataset is archived annually at the end of the fiscal year.

### **3.4 Statewide Monitoring**

The State Data Stewards have the responsibility to review and approve all updates to the dataset. There will be two stewards for this data set.

The steward has the responsibility to review and approve changes made to the dataset tables and feature classes. They will review the accuracy of the attribution, comparing it to the authoritative sources, or in the instance of a specific reference, checking that reference for validity. They will also confirm that the updated geometry represents the described parcel, and that geometry is coincident with the CadNSDI dataset where appropriate.

## 4 Master Title Plat Schema (simplified)

General Information: Attributes are listed in the order they appear in the geodatabase feature class. The order is an indication of the importance of the attribute for theme definition and use. There are no aliases unless specifically noted. The domains used in this data standard can be found in Appendix A. These are the domains at the time the data standard was approved. Domains can be changed without a re-issue of the data standard. Current domains are found on the internal OR/WA SharePoint data management page. Some of the domains used in this data standard are also available at the following web site: <https://www.blm.gov/about/data/oregon-data-management>.

For domains not listed at that site contact: [State Data Administrator](#).

### 4.1 MTP (Master Title Plat) Feature Dataset

#### 4.1.1 AUTHUSELINE (Authorized Use Arcs)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	<a href="#">dom_MTP_DOC_CAT</a>
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
MTPNO	String	20		No	
MTPNOTP	String	1		No	<a href="#">dom_MTP_NUM_TYPE</a>
MTPAUTHNAME	String	100		No	
MTPAUTHTP	String	20		No	<a href="#">dom_MTP_AUTHUSE_LINETYPE</a>
MTPUSEWIDTH	String	10		No	
MTPDATE	Date			No	
PROVISIONAL	String	1	V	Yes	<a href="#">dom_MTP_PROVISIONAL</a>
KOE	String	255		Yes	
LR2KLINK	String	2		No	<a href="#">dom_MTP_LR2000_LINK</a>
LINESOURCE	String	50	GTRN	Yes	<a href="#">dom_MTP_LINE_SOURCE</a>
RULEID	Long Integer			No	<a href="#">dom_MTP_REPRULE_AUTHUSE_LINE</a>
OVERRIDE	Blob			No	
CASEID	Long Integer			No	
CSE_NR	String	16		No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	<a href="#">dom_COORD_SRC</a>

Attribute Name	Data Type	Length	Default Value	Required	Domain
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.2 AUTHUSELINE\_HISTORICAL (Authorized Use Arcs)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPAUTHNAME	String	100		No	
MTPAUTHTP	String	20		No	dom_MTP_AUTHUSE_LINETYPE
MTPUSEWIDTH	String	10		No	
MTPDATE	Date			No	
PROVISIONAL	String	1	V	Yes	dom_MTP_PROVISIONAL
KOE	String	255		Yes	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
LINESOURCE	String	50	GTRN	Yes	dom_MTP_LINE_SOURCE
RULEID	Long Integer			No	dom_MTP_REPRULE_AUTHUSE_LINE

Attribute Name	Data Type	Length	Default Value	Required	Domain
OVERRIDE	Blob			No	
CASEID	Long Integer			No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

### 4.1.3 AUTHUSEPOLY (Authorized Use Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPAUTHNAME	String	50		No	
MTPAUTHTP	String	35		No	dom_MTP_AUTHUSE_POLYTYPE
MTPDATE	Date			No	
COMMODITY	String	3		No	dom_MTP_AUTHUSE_COMMODITY
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL

Attribute Name	Data Type	Length	Default Value	Required	Domain
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
JOIN_CRSER	String	50		No	
RULEID_1	Long Integer			No	dom_MTP_REPRULE_AUTHUSE_POLY
OVERRIDE_1	Blob			No	
CASEID	Long Integer			No	
CSE_NR	String	16		No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.4 AUTHUSEPOLY\_HISTORICAL (Authorized Use Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
SERIALNOSF	String	20		No	
CASET	String	6		No	
CASETPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE

Attribute Name	Data Type	Length	Default Value	Required	Domain
MTPAUTHNAME	String	50		No	
MTPAUTHTP	String	35		No	dom_MTP_AUTHUSE_POLYTYPE
MTPDATE	Date			No	
COMMODITY	String	3		No	dom_MTP_AUTHUSE_COMMODITY
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
JOIN_CRSER	String	50		No	
RULEID_1	Long Integer			No	dom_MTP_REPRULE_AUTHUSE_POLY
OVERRIDE_1	Blob			No	
CASEID	Long Integer			No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.5 CARTOAnno (Carto Annotation)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
FEATUREID	Long Integer			No	
ZORDER	Long Integer			No	
ANNOTATIONCLASSID	Long Integer			No	
ELEMENT	Blob			No	
SYMBOLID	Long Integer			No	
STATUS	Short Integer			No	AnnotationStatus



Attribute Name	Data Type	Length	Default Value	Required	Domain
TEXTSTRING	String	255		No	
FONTNAME	String	255		No	
FONTSIZE	Double			No	
BOLD	Short Integer			No	BooleanSymbolValue
ITALIC	Short Integer			No	BooleanSymbolValue
UNDERLINE	Short Integer			No	BooleanSymbolValue
VERTICALALIGNMENT	Short Integer			No	VerticalAlignment
HORIZONTALALIGNMENT	Short Integer			No	HorizontalAlignment
XOFFSET	Double			No	
YOFFSET	Double			No	
ANGLE	Double			No	
FONTLEADING	Double			No	
WORDSPACING	Double			No	
CHARACTERWIDTH	Double			No	
CHARACTERSPACING	Double			No	
FLIPANGLE	Double			No	
OVERRIDE	Long Integer			No	
PLSSID	String	16		No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.6 CARTOLINE (Carto Line)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
LINETY	String	15		No	dom_MTP_LINE_TYPE
VERSION_NAME	String	50	InitialLoad	Yes *	

Attribute Name	Data Type	Length	Default Value	Required	Domain
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.7 CARTOPOLY (Carto Polygon)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
POLYTYP	String	15		No	<a href="#">dom_MTP_POLY_TYPE</a>
RULEID	Long Integer			No	<a href="#">dom_MTP_REPRULE_CARTO_POLY</a>
OVERRIDE	Blob			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.8 MTPFRAME (Master Title Plat Frame Arcs)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	
FRSTDIVID	String	22		No	
SECDIVID	String	50		No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.9 MTPTWP (Master Title Plat Township Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
STATEABBR	String	2		No	dom_MTP_STATE
PRINMERCD	String	2		No	dom_MTP_PRIN_MER_NUM
PRINMER	String	40		No	dom_MTP_PRIN_MER
TWNSHPNO	String	3		No	
TWNSHPFRAC	String	1		No	dom_MTP_FRACTION
TWNSHPDIR	String	1		No	
RANGENO	String	3		No	
RANGEFAC	String	1		No	dom_MTP_FRACTION
RANGEDIR	String	1		No	
TWNSHPDPCD	String	1		No	
TWNSHPLAB	String	25		No	
LASTEDIT	Date			No	
GCDBANDATE	Date			No	
GCDBLXDATE	Date			No	
SCRIPTDATE	Date			No	
GCDBEDITOR	String	20		No	
GCDBEDITDT	Date			No	
MTPEDITOR	String	20		No	
MTPEDITDT	Date			No	
POSTDATE	Date			No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
MTPTWPNO	String	2		No	
MTPTWPFAC	String	3		No	dom_MTP_FRACTION
MTPTWPDIR	String	5		No	dom_MTP_TWP_DIR
MTPRNGNO	String	2		No	
MTPRNGFRAC	String	3		No	dom_MTP_FRACTION
MTPRNGDIR	String	25		No	dom_MTP_RNG_DIR
MTPCOUNTY	String	25		No	
MTPDISTRICT	String	25		No	
MTPPMER	String	40		No	
MTPTYPE	String	30		No	dom_MTP_TYPE
PLSSSRCE	String	15		No	
MAPPRJ	String	15		No	dom_MTP_MAP_PRJ
MAPDAT	String	15		No	dom_MTP_MAP_DATUM
PLSSTWPTYP	String	8		No	dom_MTP_PLSS_SRV_STTS
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.10 SEGREGATIONS (Segregations Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
SEGCAT	String	15		No	dom_MTP_SEG_CAT
SEGSUBCAT	String	15		No	dom_MTP_SEG_SUB_CAT

Attribute Name	Data Type	Length	Default Value	Required	Domain
SEGNAME	String	100		No	
ASSOCAGNCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SRFRST1	String	5		No	dom_MTP_SURF_RGT_RESTR1
SRFRST2	String	5		No	dom_MTP_SURF_RGT_RESTR2
SRFRST2FLG	String	2		No	dom_MTP_EXCEPTION
SRFRST3	String	5		No	dom_MTP_SURF_RGT_RESTR2
SRFRST3FLG	String	2		No	dom_MTP_EXCEPTION
SUBRST1	String	5		No	dom_MTP_SUB_RGT_RESTR1
SUBRST2	String	5		No	dom_MTP_SUB_RGT_RESTR2
SUBRST2FLG	String	2		No	dom_MTP_EXCEPTION
SUBRST3	String	5		No	dom_MTP_SUB_RGT_RESTR2
SUBRST3FLG	String	2		No	dom_MTP_EXCEPTION
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPSEGNAME	String	100		No	
MTPSEGAUTH	String	10		No	dom_MTP_SEG_AUTH
MTPSRFRST	String	20		No	
MTPSUBRST	String	20		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		Yes	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
RULEID_1	Long Integer			No	dom_MTP_REPRULE_SEG
OVERRIDE_1	Blob			No	
CASEID	Long Integer			No	
CSE_NR	String	16		No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	

Attribute Name	Data Type	Length	Default Value	Required	Domain
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.11 SEGREGATIONS\_HISTORICAL (Segregations Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
SEGCAT	String	15		No	dom_MTP_SEG_CAT
SEGSUBCAT	String	15		No	dom_MTP_SEG_SUB_CAT
SEGNAME	String	100		No	
ASSOCAGNCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SRFRST1	String	5		No	dom_MTP_SURF_RGT_RESTRI
SRFRST2	String	5		No	dom_MTP_SURF_RGT_RESTRI
SRFRST2FLG	String	2		No	dom_MTP_EXCEPTION
SRFRST3	String	5		No	dom_MTP_SURF_RGT_RESTRI
SRFRST3FLG	String	2		No	dom_MTP_EXCEPTION
SUBRST1	String	5		No	dom_MTP_SUB_RGT_RESTRI
SUBRST2	String	5		No	dom_MTP_SUB_RGT_RESTRI
SUBRST2FLG	String	2		No	dom_MTP_EXCEPTION
SUBRST3	String	5		No	dom_MTP_SUB_RGT_RESTRI
SUBRST3FLG	String	2		No	dom_MTP_EXCEPTION

Attribute Name	Data Type	Length	Default Value	Required	Domain
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPSEGNAME	String	100		No	
MTPSEGAUTH	String	10		No	dom_MTP_SEG_AUTH
MTPSRFRST	String	20		No	
MTPSUBRST	String	20		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
RULEID_1	Long Integer			No	dom_MTP_REPRULE_SEG
OVERRIDE_1	Blob			No	
CASEID	Long Integer			No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.12 SUBCASEPOLY (Subsurface Case Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	

Attribute Name	Data Type	Length	Default Value	Required	Domain
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
ASSOCAGNCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SUBRT1	String	3		Yes	dom_MTP_SUB_RGT1
SUBRT1FLG	String	2		No	dom_MTP_RGT1_FLAG
SUBRT1PER	Double			No	dom_PCT100_Dbl
SUBRT2	String	3		No	dom_MTP_SUB_RGT2
SUBRT2FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT2PER	Double			No	dom_PCT100_Dbl
SUBRT3	String	3		No	dom_MTP_SUB_RGT2
SUBRT3FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT3PER	Double			No	dom_PCT100_Dbl
SUBRT4	String	3		No	dom_MTP_SUB_RGT2
SUBRT4FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT4PER	Double			No	dom_PCT100_Dbl
SUBRT5	String	3		No	dom_MTP_SUB_RGT2
SUBRT5FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT5PER	Double			No	dom_PCT100_Dbl
SUBRT6	String	3		No	dom_MTP_SUB_RGT2
SUBRT6FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT6PER	Double			No	
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPACTION	String	15		No	dom_MTP_ACTION
MINONLY	String	10		No	dom_MTP_MIN_ONLY
MTPSUBRTS	String	50		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	



Attribute Name	Data Type	Length	Default Value	Required	Domain
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
RULEID_1	Long Integer			No	dom_MTP_REPRULE_SUBCASE_POLY
OVERRIDE_1	Blob			No	
CASEID	Long Integer			No	
CSE_NR	String	16		No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.13 SUBCASEPOLY\_HISTORICAL (Subsurface Case Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
ASSOCAGNCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SUBRT1	String	3		No	dom_MTP_SUB_RGT1

Attribute Name	Data Type	Length	Default Value	Required	Domain
SUBRT1FLG	String	2		No	dom_MTP_RGT1_FLAG
SUBRT1PER	Double			No	dom_PCT100_Dbl
SUBRT2	String	3		No	dom_MTP_SUB_RGT2
SUBRT2FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT2PER	Double			No	dom_PCT100_Dbl
SUBRT3	String	3		No	dom_MTP_SUB_RGT2
SUBRT3FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT3PER	Double			No	dom_PCT100_Dbl
SUBRT4	String	3		No	dom_MTP_SUB_RGT2
SUBRT4FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT4PER	Double			No	dom_PCT100_Dbl
SUBRT5	String	3		No	dom_MTP_SUB_RGT2
SUBRT5FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT5PER	Double			No	dom_PCT100_Dbl
SUBRT6	String	3		No	dom_MTP_SUB_RGT2
SUBRT6FLG	String	2		No	dom_MTP_RGT2_FLAG
SUBRT6PER	Double			No	
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPACTION	String	15		No	dom_MTP_ACTION
MINONLY	String	10		No	dom_MTP_MIN_ONLY
MTPSUBRTS	String	50		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
RULEID_1	Long Integer			No	dom_MTP_REPRULE_SUBCASE_POLY
OVERRIDE_1	Blob			No	
CASEID	Long Integer			No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.14 SURFCASELINE (Surface Case Arcs)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
SURFCLASS	String	5		No	dom_MTP_SURF_RGT_CLS
ASSOCAGNCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SRFRT1	String	3		No	dom_MTP_SURF_RGT1
SRFRT1PER	Double			No	dom_PCT100_Dbl
SRFRT2	String	3		No	dom_MTP_SURF_RGT2
SRFRT2FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT2PER	Double			No	dom_PCT100_Dbl
SRFRT3	String	3		No	dom_MTP_SURF_RGT2
SRFRT3FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT3PER	Double			No	dom_PCT100_Dbl
SRFRT4	String	3		No	dom_MTP_SURF_RGT2
SRFRT4FLG	String	2		No	dom_MTP_EXCEPTION

Attribute Name	Data Type	Length	Default Value	Required	Domain
SRFRT4PER	Double			No	dom_PCT100_Dbl
SRFRT5	String	3		No	dom_MTP_SURF_RGT2
SRFRT5FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT5PER	Double			No	dom_PCT100_Dbl
SRFRTOTH	String	20		No	dom_MTP_SURF_RGT_OTH
MTPNO	String	20		Yes	
MTPNOTP	String	1		Yes	dom_MTP_NUM_TYPE
MTPACTION	String	25		No	dom_MTP_ACTION
MTPESMTPP	String	20		No	dom_MTP_AUTHUSE_LINETYPE
MTPSRFRTS	String	50		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		Yes	dom_MTP_PROVISIONAL
KOE	String	255		Yes	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
LINESOURCE	String	50		Yes	dom_MTP_LINE_SOURCE
RULEID	Long Integer			No	dom_MTP_REPRULE_SURFCASE_LINE
OVERRIDE	Blob			No	
CASEID	Long Integer			No	
CSE_NR	String	16		No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.15 SURFCASELINE\_HISTORICAL (Surface Case Historical Arcs)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
SURFCLASS	String	5		No	dom_MTP_SURF_RGT_CLS
ASSOCAGENCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SRFRT1	String	3		No	dom_MTP_SURF_RGT1
SRFRT1PER	Double			No	dom_PCT100_Dbl
SRFRT2	String	3		No	dom_MTP_SURF_RGT2
SRFRT2FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT2PER	Double			No	dom_PCT100_Dbl
SRFRT3	String	3		No	dom_MTP_SURF_RGT2
SRFRT3FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT3PER	Double			No	dom_PCT100_Dbl
SRFRT4	String	3		No	dom_MTP_SURF_RGT2
SRFRT4FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT4PER	Double			No	dom_PCT100_Dbl
SRFRT5	String	3		No	dom_MTP_SURF_RGT2
SRFRT5FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT5PER	Double			No	dom_PCT100_Dbl
SRFRTOTH	String	20		No	dom_MTP_SURF_RGT_OTH
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPACTION	String	25		No	dom_MTP_ACTION
MTPESMTP	String	20		No	dom_MTP_AUTHUSE_LINETYPE
MTPSRFRTS	String	50		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
LINESOURCE	String	50		No	dom_MTP_LINE_SOURCE
RULEID	Long Integer			No	dom_MTP_REPRULE_SURFCASE_LINE
OVERRIDE	Blob			No	
CASEID	Long Integer			No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.16 SURFCASEPOLY (Surface Case Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		Yes	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
SURFCLASS	String	5		No	dom_MTP_SURF_RGT_CLS
ASSOCAGENCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
BEGINDATE	Date			No	
ENDDATE	Date			No	
SRFRT1	String	3		No	dom_MTP_SURF_RGT1
SRFRT1PER	Double			No	dom_PCT100_Dbl
SRFRT2	String	3		No	dom_MTP_SURF_RGT2
SRFRT2FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT2PER	Double			No	dom_PCT100_Dbl
SRFRT3	String	3		No	dom_MTP_SURF_RGT2
SRFRT3FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT3PER	Double			No	dom_PCT100_Dbl
SRFRT4	String	3		No	dom_MTP_SURF_RGT2
SRFRT4FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT4PER	Double			No	dom_PCT100_Dbl
SRFRT5	String	3		No	dom_MTP_SURF_RGT2
SRFRT5FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT5PER	Double			No	dom_PCT100_Dbl
SRFRTOTH	String	20		No	dom_MTP_SURF_RGT_OTH
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPACTION	String	15		No	dom_MTP_ACTION
MTPSRFRTS	String	50		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
RULEID_1	Long Integer			No	dom_MTP_REPRULE_SURFCASE_POLY1
OVERRIDE_1	Blob			No	
RULEID_2	Long Integer			No	dom_MTP_REPRULE_SURFCASE_POLY2
OVERRIDE_2	Blob			No	
CASEID	Long Integer			No	
CSE_NR	String	16		No	
HI_ID_LINK	String	50		No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.17 SURFCASEPOLY\_HISTORICAL (Surface Case Polygons)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
PLSSID	String	15		No	
SERIALNOSF	String	20		No	
CASETP	String	6		No	
CASEPTXT	String	75		No	
DOCCAT	String	2		No	dom_MTP_DOC_CAT
SURFCLASS	String	5		No	dom_MTP_SURF_RGT_CLS
ASSOCAGNCY	String	4		No	dom_FED_AGENCY
ACRES	Double			No	
BEGINDATE	Date			No	
ENDDATE	Date			No	
SRFRT1	String	3		No	dom_MTP_SURF_RGT1
SRFRT1PER	Double			No	dom_PCT100_Dbl
SRFRT2	String	3		No	dom_MTP_SURF_RGT2
SRFRT2FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT2PER	Double			No	dom_PCT100_Dbl
SRFRT3	String	3		No	dom_MTP_SURF_RGT2
SRFRT3FLG	String	2		No	dom_MTP_EXCEPTION



Attribute Name	Data Type	Length	Default Value	Required	Domain
SRFRT3PER	Double			No	dom_PCT100_Dbl
SRFRT4	String	3		No	dom_MTP_SURF_RGT2
SRFRT4FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT4PER	Double			No	dom_PCT100_Dbl
SRFRT5	String	3		No	dom_MTP_SURF_RGT2
SRFRT5FLG	String	2		No	dom_MTP_EXCEPTION
SRFRT5PER	Double			No	dom_PCT100_Dbl
SRFRTOTH	String	20		No	dom_MTP_SURF_RGT_OTH
MTPNO	String	20		No	
MTPNOTP	String	1		No	dom_MTP_NUM_TYPE
MTPACTION	String	15		No	dom_MTP_ACTION
MTPSRFRTS	String	50		No	
MTPDATE	Date			No	
MTPEXTRA	String	50		No	
PROVISIONAL	String	1		No	dom_MTP_PROVISIONAL
KOE	String	255		No	
LR2KLINK	String	2		No	dom_MTP_LR2000_LINK
RULEID_1	Long Integer			No	dom_MTP_REPRULE_SURFCASE_POLY1
OVERRIDE_1	Blob			No	
RULEID_2	Long Integer			No	dom_MTP_REPRULE_SURFCASE_POLY2
OVERRIDE_2	Blob			No	
CASEID	Long Integer			No	
HI_ID_LINK	String	50		No	
COORD_SRC	String	7		No	dom_COORD_SRC
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

#### 4.1.18 \*\_Anno (Master Title Plat Annotation)

The Master Title Plat feature dataset contains nine annotation feature classes that use the same schema defined below. These feature class names are: AUTHUSELINEAnno (Authorized Use Line Annotation), AUTHUSEPOLYAnno (Authorized Use Polygon Annotation), PLSSFirstDivisionAnno (PLSS First Division Annotation), PLSSSecondDivisionAnno (PLSS Second Division Annotation), PLSSSpecialSurveyAnno (PLSS Special Survey Annotation), SEGREGATIONSAnno (Segregation Polygon Annotation), SUBCASEPOLYAnno (Subsurface Case Polygon Annotation), SURFCASELINEAnno (Surface Case Line Annotation), and SURFCASEPOLYAnno (Surface Case Polygon Annotation).

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
FEATUREID	Long Integer			No	
ZORDER	Long Integer			No	
ANNOTATIONCLASSID	Long Integer			No	
ELEMENT	Blob			No	
SYMBOLID	Long Integer			No	
STATUS	Short Integer		Placed	No	AnnotationStatus
TEXTSTRING	String	255		No	
FONTNAME	String	255		No	
FONTSIZE	Double			No	
BOLD	Short Integer			No	BooleanSymbolValue
ITALIC	Short Integer			No	BooleanSymbolValue
UNDERLINE	Short Integer			No	BooleanSymbolValue
VERTICALALIGNMENT	Short Integer			No	VerticalAlignment
HORIZONTALALIGNMENT	Short Integer			No	HorizontalAlignment
XOFFSET	Double			No	
YOFFSET	Double			No	
ANGLE	Double			No	
FONTLEADING	Double			No	
WORDSPACING	Double			No	
CHARACTERWIDTH	Double			No	
CHARACTERSPACING	Double			No	
FLIPANGLE	Double			No	
OVERRIDE	Long Integer			No	
TWP_FEATUREID	Long Integer			No	
PLSSID	String	16		Yes	
TWP_OBJECTID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	

Attribute Name	Data Type	Length	Default Value	Required	Domain
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

## 4.2 HI (Historical Index Table)

For domain and default values, see [Section 7 Attribute Characteristics and Definition \(In alphabetical order\)](#) in this document.

Attribute Name	Data Type	Length	Default Value	Required	Domain
SECT	String	255		No	
NENE	String	255		No	
NWNE	String	255		No	
SWNE	String	255		No	
SENE	String	255		No	
NENW	String	255		No	
NWNW	String	255		No	
SWNW	String	255		No	
SENW	String	255		No	
NESW	String	255		No	
NWSW	String	255		No	
SWSW	String	255		No	
SESW	String	255		No	
NESE	String	255		No	
NWSE	String	255		No	
SWSE	String	255		No	
SESE	String	255		No	
LOTS	String	255		No	
OTHDESC	CLOB	1073741822		No	
ACRES	String	255		No	
KOE	String	255		No	
MTPNUM	String	255		No	

Attribute Name	Data Type	Length	Default Value	Required	Domain
ACTDATE	String	255		No	
REMARKS	CLOB	1073741822		No	
PLSSID	String	15		Yes	
SERIALNOSF	String	20		No	
ROW_NUM	Long Integer			No	
SERIALNOSF_ALL	String	20		No	
MTPNUM_ALL	String	50		No	
ACTDATE_ALL	Date			No	
MTPNUM_FLAG	String	10		No	
CASETP	String	6		No	
CASEPTXT	String	255		No	
SOURCE	String	15		No	
TRADSERIALNOSF	String	20		No	
CASEDISPTXT	String	255		No	
CDI_PARENT_ID	String	255		No	
LR2KLINK	String	2		No	
HI_LOAD_DT	Date			No	
HI_ID	String	50		No	
HICASEID	String	50		No	
HI_ID_LINK	String	50		No	
CASEID	Long Integer			No	
VERSION_NAME	String	50	InitialLoad	Yes *	
GLOBALID	GUID			Yes *	
CREATE_BY	String	50	UNK	No *	
CREATE_DATE	Date		1/1/8888	No *	
MODIFY_BY	String	50	UNK	No *	
MODIFY_DATE	Date		1/1/8888	No *	

\* Values automatically generated

\*\* Enforced during quality control, may appear in data as not required

\*\*\* Maintained through versioning tools, may appear not required in database

## 4.3 MTP Relationship Classes

### 4.3.1 rel\_MTP\_AUTHUSELINE\_HI

Origin Table	HI
--------------	----

Origin Primary Key	HI_ID_LINK
Destination Table	AUTHUSELINE
Destination Foreign Key	HI_ID_LINK
Relationship Type	Simple
Labels	AUTHUSELINE, HI
Messages	None
Cardinality	One to many

#### 4.3.2 rel\_MTP\_AUTHUSELINEAnno

Origin Table	AUTHUSELINE
Origin Primary Key	OBJECTID
Destination Table	AUTHUSELINEAnno
Destination Foreign Key	FeatureID
Relationship Type	Composite
Labels	AUTHUSELINEAnno, AUTHUSELINE
Messages	Forward (origin to destination)
Cardinality	One to Many

#### 4.3.3 rel\_MTP\_AUTHUSEPOLY\_HI

Origin Table	HI
Origin Primary Key	HI_ID_LINK
Destination Table	AUTHUSEPOLY
Destination Foreign Key	HI_ID_LINK
Relationship Type	Simple
Labels	AUTHUSEPOLY, HI
Messages	None
Cardinality	One to many

#### 4.3.4 rel\_MTP\_AUTHUSEPOLYAnno

Origin Table	AUTHUSEPOLY
Origin Primary Key	OBJECTID
Destination Table	AUTHUSEPOLYAnno
Destination Foreign Key	FeatureID
Relationship Type	Composite
Labels	AUTHUSEPOLYAnno, AUTHUSEPOLY

Messages	Forward (origin to destination)
Cardinality	One to Many

#### 4.3.5 rel\_MTP\_SEGREGATIONS\_HI

Origin Table	HI
Origin Primary Key	HI_ID_LINK
Destination Table	SEGREGATIONS
Destination Foreign Key	HI_ID_LINK
Relationship Type	Simple
Labels	SEGREGATIONS, HI
Messages	None
Cardinality	One to many

#### 4.3.6 rel\_MTP\_SEGREGATIONSAnno

Origin Table	SEGREGATIONS
Origin Primary Key	OBJECTID
Destination Table	SEGREGATIONSAnno
Destination Foreign Key	FeatureID
Relationship Type	Composite
Labels	SEGREGATIONSAnno, SEGREGATIONS
Messages	Forward (origin to destination)
Cardinality	One to Many

#### 4.3.7 rel\_MTP\_SUBCASEPOLY\_HI

Origin Table	HI
Origin Primary Key	HI_ID_LINK
Destination Table	SUBCASEPOLY
Destination Foreign Key	HI_ID_LINK
Relationship Type	Simple
Labels	SUBCASEPOLY, HI
Messages	None
Cardinality	One to many

#### 4.3.8 rel\_MTP\_SUBCASEPOLYAnno

Origin Table	SUBCASEPOLY
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Origin Primary Key	OBJECTID
Destination Table	SUBCASEPOLYAnno
Destination Foreign Key	FeatureID
Relationship Type	Composite
Labels	SUBCASEPOLYAnno, SUBCASEPOLY
Messages	Forward (origin to destination)
Cardinality	One to Many

#### 4.3.9 rel\_MTP\_SURFCASELINE\_HI

Origin Table	HI
Origin Primary Key	HI_ID_LINK
Destination Table	SURFCASELINE
Destination Foreign Key	HI_ID_LINK
Relationship Type	Simple
Labels	SURFCASELINE, HI
Messages	None
Cardinality	One to many

#### 4.3.10 rel\_MTP\_SURFCASELINEAnno

Origin Table	SURFCASELINE
Origin Primary Key	OBJECTID
Destination Table	SURFCASELINEAnno
Destination Foreign Key	FeatureID
Relationship Type	Composite
Labels	SURFCASELINEAnno, SURFCASELINE
Messages	Forward (origin to destination)
Cardinality	One to Many

#### 4.3.11 rel\_MTP\_SURFCASEPOLY\_HI

Origin Table	HI
Origin Primary Key	HI_ID_LINK
Destination Table	SURFCASEPOLY
Destination Foreign Key	HI_ID_LINK
Relationship Type	Simple
Labels	SURFCASEPOLY, HI

Messages	None
Cardinality	One to many

#### 4.3.12 rel\_MTP\_SURFCASEPOLYAnno

Origin Table	SURFCASEPOLY
Origin Primary Key	OBJECTID
Destination Table	SURFCASEPOLYAnno
Destination Foreign Key	FeatureID
Relationship Type	Composite
Labels	SURFCASEPOLYAnno, SURFCASEPOLY
Messages	Forward (origin to destination)
Cardinality	One to Many



## 5 Projection and Spatial Extent

The spatial reference for all spatial feature classes and feature datasets shall be the North American Datum of 1983 (EPSG: 4269), with coordinate system units in decimal degrees. The spatial extent (area of coverage) shall consist of all lands managed by BLM Oregon/Washington within the area from latitude 41° 30' N to latitude 49° 30' N and from longitude 125° W to longitude 116° W.

## 6 Spatial Entity Characteristics

- AUTHUSELINE
  - Description: Instance of Authorized Use linear rights-of-way.
  - Geometry: Line features representing separate cases may overlap entirely or in part.
  - Topology: No topology enforced.
  - Integration Requirements: Line segments must be coincident with the source data indicated by the attributes LINESOURCE and COORD\_SRC either through duplication or snapping. Features must be snapped to PLSS boundaries where appropriate to eliminate dangles. Line features should be integrated with the ESMTROW dataset.
- AUTHUSELINEAnno
  - Description: Instance of annotation linked to Authorized Use linear rights-of-way for display on MTP.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: Annotation Feature linked to Authorized Use linear rights-of-way.
- AUTHUSELINE\_HISTORICAL
  - Description: Instance of historical Authorized Use linear rights-of-way.
  - Geometry: Line features representing separate cases may overlap entirely or in part.
  - Topology: No topology enforced.
  - Integration Requirements: Line segments must be coincident with the source data indicated by the attributes LINESOURCE and COORD\_SRC either through duplication or snapping. Features must be snapped to PLSS boundaries where appropriate to eliminate dangles. Line features should be integrated with the ESMTROW dataset.
- AUTHUSEPOLY
  - Description: Instance of Authorized Use polygonal rights-of-way.
  - Geometry: Polygons representing separate cases may overlap entirely or in part. Polygons do not cover the landscape.
  - Topology: No topology enforced.
  - Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- AUTHUSEPOLYAnno
  - Description: Instance of annotation linked to Authorized Use polygonal rights-of-way for display on MTP.

- Geometry: Annotation
- Topology: No topology enforced.
- Integration Requirements: Annotation Feature linked to Authorized Use polygonal rights-of-way.
- AUTHUSEPOLY\_HISTORICAL
  - Description: Instance of historical Authorized Use polygonal rights-of -way.
  - Geometry: Polygons representing separate cases may overlap entirely or in part. Polygons do not cover the landscape.
  - Topology: No topology enforced.
  - Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- CARTOAnno
  - Description: Instance of annotation added to MTP for cartographic purposes.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: None.
- CARTOLine
  - Description: Instance of lines added to MTP for cartographic purposes.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: None.
- CARTOPoly
  - Description: Instance of polygons added to MTP for cartographic purposes
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: None.
- MTPFRAME
  - Description: Instance of lines created to symbolize section lines and lot ticks.
  - Geometry: Line
  - Topology: No topology enforced.
  - Integration Requirements: Must be coincident with PLSS data.
- MTPTWP
  - Description: Instance of a PLSS Township polygon used to represent much of the metadata for the township such as values to populate the MTP header, data box, and survey information.
  - Geometry: Polygon
  - Topology: No topology enforced.
  - Integration Requirements: None.
- PLSSFirstDivisionAnno

- Description: Instance of Section number text for display on an MTP
- Geometry: Annotation
- Topology: No topology enforced.
- Integration Requirements: None.
- PLSSSecondDivisionAnno
  - Description: Instance of Lot number text for display on an MTP
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: None.
- PLSSSpecialSurveyAnno
  - Description: Instance of Special Survey text for display on an MTP
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: None.
- SEGREGATIONS
  - Description: Instance of polygonal segregative actions.
  - Geometry: Polygons do not cover the landscape, nor do they cover all BLM lands continuously. In addition, there may be "Islands" or "Holes" of Withdrawn Areas surrounded by non-Withdrawn lands and vice versa.
  - Topology: No topology enforced.
  - Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- SEGREGATIONS\_HISTORICAL
  - Description: Instance of historical polygonal segregative actions.
  - Geometry: Polygons do not cover the landscape, nor do they cover all BLM lands continuously. In addition, there may be "Islands" or "Holes" of Withdrawn Areas surrounded by non-Withdrawn lands and vice versa.
  - Topology: No topology enforced.
  - Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- SEGREGATIONSAnno
  - Description: Instance of annotation linked to Segregative features for display on the MTP.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: Annotation Feature linked to Segregative features.
- SUBCASEPOLY
  - Description: Instance of Subsurface case polygonal features.
  - Geometry: Polygons are wall to wall and may not include "Islands" or "Holes". Features should

- not overlap except in rare cases.
- Topology: No topology enforced.
- Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- SUBCASEPOLY\_HISTORICAL
  - Description: Instance of historical Subsurface case polygonal features.
  - Geometry: Polygons are wall to wall and may not include "Islands" or "Holes". Features should not overlap except in rare cases.
  - Topology: No topology enforced.
  - Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- SUBCASEPOLYAnno
  - Description: Instance of annotation linked to Subsurface case features for display on the MTP.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: Annotation feature linked to Subsurface case features.
- SURFCASELINE
  - Description: Instance of linear Surface case features.
  - Geometry: Line features representing separate cases may overlap entirely or in part.
  - Topology: No topology enforced.
  - Integration Requirements: Line segments must be coincident with the source data indicated by the attributes LINESOURCE and COORD\_SRC either through duplication or snapping. Features must be snapped to PLSS boundaries where appropriate to eliminate dangles. Line features should be integrated with the ESMTROW dataset.
- SURFCASELINE\_HISTORICAL
  - Description: Instance of historical linear Surface case features.
  - Geometry: Line features representing separate cases may overlap entirely or in part.
  - Topology: No topology enforced.
  - Integration Requirements: Line segments must be coincident with the source data indicated by the attributes LINESOURCE and COORD\_SRC either through duplication or snapping. Features must be snapped to PLSS boundaries where appropriate to eliminate dangles. Line features should be integrated with the ESMTROW dataset.
- SURFCASELINE Anno
  - Description: Instance of annotation linked to Surface Case linear features for display on the MTP.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: Annotation Feature linked to Surface Case linear features.
- SURFCASEPOLY
  - Description: Instance of polygonal Surface Case features.

- Geometry Polygons are wall to wall and may not include "Islands" or "Holes". Features should not overlap except in rare cases.
- Topology: No topology enforced.
- Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- SURFCASEPOLY\_HISTORICAL
  - Description: Instance of historical polygonal Surface Case features.
  - Geometry Polygons are wall to wall and may not include "Islands" or "Holes". Features should not overlap except in rare cases.
  - Topology: No topology enforced.
  - Integration Requirements: Features must be coincident with CADNSDI data, where appropriate, or are identified as provisional.
- SURFCASEPOLY Anno
  - Description: Instance of annotation linked to Surface Case polygonal features for display on the MTP.
  - Geometry: Annotation
  - Topology: No topology enforced.
  - Integration Requirements: Annotation Feature linked to Surface Case polygonal features.

## 7 Attribute Characteristics and Definition (In alphabetical order)

### 7.1 ACRES

Geodatabase Name	ACRES
BLM Structured Name	Acres_Number
Inheritance	Not Inherited
Alias Name	Acres
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL, HI
Definition	Acres
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

### 7.2 ACTDATE

Geodatabase Name	ACTDATE
BLM Structured Name	Master_Title_Plat_Act_Start_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	This date generally represents the start of the case.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

### 7.3 ACTDATE\_ALL

Geodatabase Name	ACTDATE_ALL
BLM Structured Name	Master_Title_Plat_Act_All_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	This date generally represents the start of the case and populated in each row of the table HI associated with that particular case.

Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

## 7.4 ANGLE

Geodatabase Name	ANGLE
BLM Structured Name	Annotation_Angle_Number
Inheritance	Not Inherited
Alias Name	Angle
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	The angle the annotation feature will be assigned for placement along its associated Authorized Use Line feature
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.5 ANNOTATIONCLASSID

Geodatabase Name	ANNOTATIONCLASSID
BLM Structured Name	Annotation_Class_Identifier
Inheritance	Not Inherited
Alias Name	AnnotationClassID
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	The Annotation Class the annotation belongs to.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Long Integer

## 7.6 ASSOCAGENCY

Geodatabase Name	ASSOCAGENCY
BLM Structured Name	Master_Title_Plat_Associated_Agency_Code
Inheritance	Not Inherited

Alias Name	Associated Agency
Feature Class Use/Entity Table	SEGREGATIONS, SUBCASEPOLY, SURFCASELINE, SURFCASEPOLY, SEGREGATIONS_HISTORICAL, SUBCASEPOLY_HISTORICAL, SURFCASELINE_HISTORICAL, SURFCASEPOLY_HISTORICAL
Definition	The agency that is associated with the Segregation.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_FED_AGENCY</a>
Data Type	String (4)

## 7.7 BEGINDATE

Geodatabase Name	BEGINDATE
BLM Structured Name	Master_Title_Plat_Begin_Date
Inheritance	Not Inherited
Alias Name	Begin Date
Feature Class Use/Entity Table	SEGREGATIONS, SUBCASEPOLY, SURFCASELINE, SURFCASEPOLY, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS_HISTORICAL, SUBCASEPOLY_HISTORICAL, SURFCASELINE_HISTORICAL, SURFCASEPOLY_HISTORICAL
Definition	The date found in the Action Date column of the Historical Index (HI). This date generally represents the start of the case.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Date

## 7.8 BOLD

Geodatabase Name	BOLD
BLM Structured Name	Annotation_Bold_Identifier_Code
Inheritance	Not Inherited
Alias Name	Bold
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	An assignment of bold or regular font to the annotation feature.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">BooleanSymbolValue</a>
Data Type	Short Integer



## 7.9 CASEDISPTXT

Geodatabase Name	CASEDISPTXT
BLM Structured Name	Master_Title_Plat_Case_Dispensation_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	This is an attribute from LR2K, and captures if the case is open, close, active, pending, terminated, canceled or relinquish.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

## 7.10 CASEID

Geodatabase Name	CASEID
BLM Structured Name	Master_Title_Plat_Case_Identifier_Number
Inheritance	Not Inherited
Alias Name	CaseID
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSEPOLY, SEGREGATIONS, SUBCASEPOLY, SURFCASELINE, SURFCASEPOLY
Definition	Numeric LR2000 Unique case identifier.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Long Integer

## 7.11 CASETP

Geodatabase Name	CASETP
BLM Structured Name	Master_Title_Plat_Case_Type_Text
Inheritance	Not Inherited
Alias Name	Case Type
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL, HI
Definition	A coded number system that identifies a case (e.g., authorization, conveyances, withdrawals, acquisitions, etc.).
Required/Optional	Optional
Domain (Valid Values)	No Domain

Data Type	String (6)
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## 7.12 CASEPTXT

Geodatabase Name	CASEPTXT
BLM Structured Name	Master_Title_Plat_Case_Type_Text
Inheritance	Not Inherited
Alias Name	Case Type Text
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL, HI
Definition	Case type text or case type description.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (75)

## 7.13 CDI\_PARENT\_ID

Geodatabase Name	CDI_PARENT_ID
BLM Structured Name	Master_Title_Plat_Control_Document_Parent_Identifier
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Control Document index identifier.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

## 7.14 CHARACTERSPACING

Geodatabase Name	CHARACTERSPACING
BLM Structured Name	Annotation_Character_Spacing_Number
Inheritance	Not Inherited
Alias Name	CharacterSpacing
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO

Definition	Adjusts the spacing between characters.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.15 CHARACTERWIDTH

Geodatabase Name	CHARACTERWIDTH
BLM Structured Name	Annotation_Character_Width_Number
Inheritance	Not Inherited
Alias Name	CharacterWidth
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Adjusts the character width.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.16 COMMODITY

Geodatabase Name	COMMODITY
BLM Structured Name	Master_Title_Plat_Commodity_Code
Inheritance	Not Inherited
Alias Name	Commodity
Feature Class Use/Entity Table	AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL
Definition	Commodity
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_AUTHUSE_COMMODITY</a>
Data Type	String (3)

## 7.17 COORD\_SRC

Geodatabase Name	COORD_SRC
BLM Structured Name	Coordinate_Source_Text
Inheritance	Not Inherited
Alias Name	COORD_SRC

Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSEPOLY, SEGREGATIONS, SUBCASEPOLY, SURFCASELINE, SURFCASEPOLY
Definition	Case type text or case type description
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_COORD_SRC</a>
Data Type	String (7)

## 7.18 CREATE\_BY

Geodatabase Name	CREATE_BY
BLM Structured Name	Record_Created_By_Text
Inheritance	Inherited from entity ODF
Alias Name	Created By
Feature Class Use/Entity Table	All feature classes and tables
Definition	The BLM login ID of the person who entered the data. The default value for this field is UNK. This field is auto populated during editing.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: jdoe, msmith
Data Type	String (50)

## 7.19 CREATE\_DATE

Geodatabase Name	CREATE_DATE
BLM Structured Name	Record_Created_Date
Inheritance	Inherited from entity ODF
Alias Name	Created Date
Feature Class Use/Entity Table	All feature classes and tables
Definition	The date the record was entered. The default value for this field is 1/8/8888. This field is auto populated during editing.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 1/5/1999, 10/15/2021
Data Type	Date

## 7.20 CSE\_NR

Geodatabase Name	CSE_NR
BLM Structured Name	MLRS_Case_Number_Text
Inheritance	Inherited from entity Encumbrance and Encumbrance Proposed
Alias Name	MLRS Casefile Number

Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSEPOLY, SEGREGATIONS, SUBCASEPOLY, SURFCASELINE, SURFCASEPOLY
Definition	Case number assigned by the MLRS database.
Required/Optional	Optional
Domain (Valid Values)	No domain.
Data Type	String (16)

## 7.21 DOCCAT

Geodatabase Name	DOCCAT
BLM Structured Name	Master_Title_Plat_Document_Category_Code
Inheritance	Not Inherited
Alias Name	Doc Category
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The type of case document, e.g., patent, act of congress, public law, or warranty deed.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_DOC_CAT</a>
Data Type	String (2)

## 7.22 ELEMENT

Geodatabase Name	ELEMENT
BLM Structured Name	Annotation_Element_Object
Inheritance	Not Inherited
Alias Name	Element
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The attribute that stores annotation symbology and geometry.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Blob

## 7.23 ENDDATE

Geodatabase Name	ENDDATE
BLM Structured Name	Master_Title_Plat_End_Date
Inheritance	Not Inherited
Alias Name	End Date
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Date representing the end of the case's authority.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Date

## 7.24 FEATUREID

Geodatabase Name	FEATUREID
BLM Structured Name	Annotation_Feature_Identifier_Number
Inheritance	Not Inherited
Alias Name	FEATUREID
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Object ID of the associated Authorized Use Line feature. This is the key field creating the relationship between the feature and the annotation.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Long Integer

## 7.25 FLIPANGLE

Geodatabase Name	FLIPANGLE
BLM Structured Name	Annotation_Flip_Angle_Number
Inheritance	Not Inherited
Alias Name	FlipAngle
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO,

	SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Specifies the angle, in degrees from the vertical, at which point rotated text is flipped, or mirrored, in place.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.26 FONTLEADING

Geodatabase Name	FONTLEADING
BLM Structured Name	Annotation_Font_Leading_Number
Inheritance	Not Inherited
Alias Name	FONTLEADING
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The amount of space between lines of text.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.27 FONTNAME

Geodatabase Name	FONTNAME
BLM Structured Name	Annotation_Font_Name_Text
Inheritance	Not Inherited
Alias Name	FontName
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The font assigned to the annotation feature.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (255)

## 7.28 FONTSIZE

Geodatabase Name	FONTSIZE
BLM Structured Name	Annotation_Font_Size_Number
Inheritance	Not Inherited
Alias Name	FontSize
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The size of the font assigned to the annotation feature.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.29 FRSTDIVID

Geodatabase Name	FRSTDIVID
BLM Structured Name	Master_Title_Plat_First_Division_Identifier_Text
Inheritance	Not Inherited
Alias Name	FRSTDIVID
Feature Class Use/Entity Table	MTPFRAME
Definition	PLSS First Division Identifier
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (22)

## 7.30 GCDBANDATE

Geodatabase Name	GCDBANDATE
BLM Structured Name	Geographic_Coordinate_Database_Attribute_Edit_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	MTPTWP
Definition	Edit date of the Geographic Coordinate System Attribute file.
Required/Optional	Optional
Domain (Valid Values)	None
Data Type	Date



**7.31 GCDBEDITDT**

Geodatabase Name	GCDBEDITDT
BLM Structured Name	Geographic_Coordinate_Database_Edit_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	MTPTWP
Definition	Date of the last edit to the Geographic Coordinate Database for the associated township.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Date

**7.32 GCDBEDITOR**

Geodatabase Name	GCDBEDITOR
BLM Structured Name	Geographic_Coordinate_Database_Editor_Name
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	MTPTWP
Definition	Name of the most recent Geographic Coordinate Database Editor for the associated township.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (20)

**7.33 GCDBLXDATE**

Geodatabase Name	GCDBLXDATE
BLM Structured Name	Geographic_Coordinate_Database_Point_Edit_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	MTPTWP
Definition	The edit date of the Geographic Coordinate System point file.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Date

## 7.34 GLOBALID

Geodatabase Name	GLOBALID
BLM Structured Name	Global_Unique_Identifier
Inheritance	Inherited from entity ODF
Alias Name	None
Feature Class Use/Entity Table	All feature classes and tables
Definition	An alpha-numeric code that serves as the universal and unique identifier for each feature within the feature class or table of a geodatabase. Software generated value. A field of type UUID (Universal Unique Identifier) in which values are automatically assigned by the geodatabase when a row is created. This field is not editable and is automatically populated when it is added for existing data.
Required/Optional	Required
Domain (Valid Values)	No domain. Example: {4747B796-44B4-4628-B069-2D496422E59F}
Data Type	GUID

## 7.35 HI\_ID

Geodatabase Name	HI_ID
BLM Structured Name	Master_Title_Plat_Historical_Index_Identifier
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI, AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Case identifier derived by calculating the PLSSID, Action Date, and row number.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (50)

## 7.36 HI\_ID\_LINK

Geodatabase Name	HI_ID_LINK
BLM Structured Name	Historical Index Identifier Link Text
Inheritance	Not Inherited
Alias Name	HI_ID_LINK
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSEPOLY, SEGREGATIONS, SUBCASEPOLY, SURFCASELINE, SURFCASEPOLY

Definition	Case identifier creating a link between the Historical Index (HI) and features. Derived by calculating the PLSSID, Action Date, and Serial Number.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (50)

### 7.37 HI\_LOAD\_DT

Geodatabase Name	HI_LOAD_DT
BLM Structured Name	Master_Title_Plat_Historical_Index_Load_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	The date the HI data was loaded into a database.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

### 7.38 HICASEID

Geodatabase Name	HICASEID
BLM Structured Name	Master_Title_Plat_Historical_Index_Identifier
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	HI CASE identifier. Concatenated id that has YYYYMMDD, MTP number and case type
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (50)

### 7.39 HORIZONTALALIGNMENT

Geodatabase Name	HORIZONTALALIGNMENT
BLM Structured Name	Annotation_Horizontal_Alignment_Code
Inheritance	Not Inherited
Alias Name	HorizontalAlignment
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO,

	SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Specifies the horizontal alignment of the annotation: Left, Right, Center, or Full.
Required/Optional	Required
Domain (Valid Values)	<a href="#">HorizontalAlignment</a>
Data Type	Short Integer

## 7.40 ITALIC

Geodatabase Name	ITALIC
BLM Structured Name	Annotation_Italic_Code
Inheritance	Not Inherited
Alias Name	Italic
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The assignment of italic or regular font to the annotation feature.
Required/Optional	Required
Domain (Valid Values)	<a href="#">BooleanSymbolValue</a>
Data Type	Short Integer

## 7.41 JOIN\_CRSER

Geodatabase Name	JOIN_CRSER
BLM Structured Name	Master_Title_Plat_Historical_Index_Join_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL
Definition	Value use to join HI record to Status or Case Record.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (50)

## 7.42 KOE

Geodatabase Name	KOE
BLM Structured Name	Master_Title_Plat_Historical_Index_Kind_of_Entry_Text
Inheritance	Not Inherited

Alias Name	HI Kind of Entry
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL, HI
Definition	The type of action found in the Kind of Entry column on the Historical Index (HI). This text defines the type of case and includes any relevant document types, document ID numbers, and geographic names.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (255)

### 7.43 LASTEDIT

Geodatabase Name	LASTEDIT
BLM Structured Name	Public_Land_Survey_System_Last_Edit_Date
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	MTPTWP
Definition	Last edit date of the published Public Land Survey System data.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	Date

### 7.44 LINESOURCE

Geodatabase Name	LINESOURCE
BLM Structured Name	Master_Title_Plat_Line_Source_Text
Inheritance	Not Inherited
Alias Name	LINESOURCE
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL
Definition	The source from which the line was drawn. e.g., GTRN or digitized from scanned MTP.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_LINE_SOURCE</a>
Data Type	String (50)

## 7.45 LINETYP

Geodatabase Name	LINETYP
BLM Structured Name	Line Type Text
Inheritance	Not Inherited
Alias Name	Line Type
Feature Class Use/Entity Table	CARTOLINE
Definition	The type of line feature, e.g., road, telephone line, or ditch.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_LINE_TYPE</a>
Data Type	String (15)

## 7.46 LOTS

Geodatabase Name	LOTS
BLM Structured Name	Master_Title_Plat_Lot_Number
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Government lot number.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

## 7.47 LR2KLINK

Geodatabase Name	LR2KLINK
BLM Structured Name	LR2000_Link_Text
Inheritance	Not Inherited
Alias Name	LR2K Link Table
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Source description that describes whether the case information can be found in Status, Case Recordation, or Both.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_LR2000_LINK</a>
Data Type	String (2)

## 7.48 MAPDAT

Geodatabase Name	MAPDAT
BLM Structured Name	Master_Title_Plat_Map_Datum_Text
Inheritance	Not Inherited
Alias Name	Map Datum
Feature Class Use/Entity Table	MTPTWP
Definition	Datum used to produce the Master Title Plat i.e., North American Datum of 1983 (NAD 83)
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_MAP_DATUM</a>
Data Type	String (15)

## 7.49 MAPPRJ

Geodatabase Name	MAPPRJ
BLM Structured Name	Master_Title_Plat_Map_Projection_Text
Inheritance	Not Inherited
Alias Name	Map Projection
Feature Class Use/Entity Table	MTPTWP
Definition	Indicates the projection used to produce the Master Title Plat e.g., Universal Transverse Mercator 10 or 11.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_MAP_PRJ</a>
Data Type	String (15)

## 7.50 MINONLY

Geodatabase Name	MINONLY
BLM Structured Name	Master_Title_Plat_Mineral_Only_Flag_Code
Inheritance	Not Inherited
Alias Name	Min Only Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Indicates that the action is a conveyance for mineral rights only.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_MIN_ONLY</a>
Data Type	String (8)

## 7.51 MODIFY\_BY

Geodatabase Name	MODIFY_BY
BLM Structured Name	Record_Last_Modified_By_Text
Inheritance	Inherited from entity ODF
Alias Name	Modified By
Feature Class Use/Entity Table	All feature classes and tables
Definition	The BLM login ID of the person who last edited the data. The default value for this field is UNK. This field is auto populated during editing.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: jdoe, msmith
Data Type	String (50)

## 7.52 MODIFY\_DATE

Geodatabase Name	MODIFY_DATE
BLM Structured Name	Record_Last_Modified_Date
Inheritance	Inherited from entity ODF
Alias Name	Modified Date
Feature Class Use/Entity Table	All feature classes and tables
Definition	The date the record was last edited. The default value for this field is 1/8/8888. This field is auto populated during editing.
Required/Optional	Optional
Domain (Valid Values)	No domain. Examples: 1/5/1999, 10/15/2021
Data Type	Date

## 7.53 MTPACTION

Geodatabase Name	MTPACTION
BLM Structured Name	Master_Title_Plat_Action_Text
Inheritance	Not Inherited
Alias Name	MTP Action Text
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The type of action to be displayed on the MTP, such as Recon US, WD from US, SG.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_ACTION</a>
Data Type	String (15)



## 7.54 MTPAUTHNAME

Geodatabase Name	MTPAUTHNAME
BLM Structured Name	Master_Title_Plat_Authorized_Use_Name_Text
Inheritance	Not Inherited
Alias Name	MTP Authorized Use Name
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL
Definition	Text that appears on the MTP to clarify the type of Authorized Use feature.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (50), String (100)

## 7.55 MTPAUTHTP

Geodatabase Name	MTPAUTHTP
BLM Structured Name	Master_Title_Plat_Authorized_Use_Type_Text
Inheritance	Not Inherited
Alias Name	MTP Authorized Use Type
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL
Definition	The type of Authorized Use feature.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_AUTHUSE_LINETYPE</a> , <a href="#">dom_MTP_AUTHUSE_POLYTYPE</a>
Data Type	String (20)

## 7.56 MTPCOUNTY

Geodatabase Name	MTPCOUNTY
BLM Structured Name	Master_Title_Plat_County_Text
Inheritance	Not Inherited
Alias Name	MTPCOUNTY
Feature Class Use/Entity Table	MTPTWP
Definition	The County or Counties in which the associated township resides.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (25)

**7.57 MTPDATE**

Geodatabase Name	MTPDATE
BLM Structured Name	Master_Title_Plat_Date
Inheritance	Not Inherited
Alias Name	MTP Date
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Date that appears on the Master Title Plat usually corresponding with the cases action date.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Date

**7.58 MTPDISTRICT**

Geodatabase Name	MTPDISTRICT
BLM Structured Name	Master_Title_Plat_District
Inheritance	Not Inherited
Alias Name	MTPDISTRICT
Feature Class Use/Entity Table	MTPTWP
Definition	The BLM District or Districts in which the associated township resides.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (25)

**7.59 MTPEDITDT**

Geodatabase Name	MTPEDITDT
BLM Structured Name	Master_Title_Plat_Edit_Date
Inheritance	Not Inherited
Alias Name	MTPEDITDT
Feature Class Use/Entity Table	MTPTWP
Definition	The date that the Master Title Plat was most recently edited.
Required/Optional	Required
Domain (Valid Values)	No Domain

Data Type	Date
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## 7.60 MTPEDITOR

Geodatabase Name	MTPEDITOR
BLM Structured Name	Master_Title_Plat_Editor_Text
Inheritance	Not Inherited
Alias Name	MTPEDITOR
Feature Class Use/Entity Table	MTPTWP
Definition	The name of the Editor that most recently edited the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (20)

## 7.61 MTPESMTTP

Geodatabase Name	MTPESMTTP
BLM Structured Name	Master_Title_Plat_Easement_Type_Text
Inheritance	Not Inherited
Alias Name	MTP Esmt Line Type
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL
Definition	Type of line feature. Examples of Surface Case Lines include Roads, Power lines, Telephone lines.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_AUTHUSE_LINETYPE</a>
Data Type	String (20)

## 7.62 MTPEXTRA

Geodatabase Name	MTPEXTRA
BLM Structured Name	Master_Title_Plat_Extra_Text
Inheritance	Not Inherited
Alias Name	MTP Extra
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Additional text to be displayed on the MTP.
Required/Optional	Optional

Domain (Valid Values)	No Domain
Data Type	String (50)

### 7.63 MTPNO

Geodatabase Name	MTPNO
BLM Structured Name	Master_Title_Plat_Number
Inheritance	Not Inherited
Alias Name	MTP Number
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The number found on the MTP to identify the case, e.g., Patent number, Serial Number, Document ID number.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (20)

### 7.64 MTPNOTP

Geodatabase Name	MTPNOTP
BLM Structured Name	Master_Title_Plat_Number_Type
Inheritance	Not Inherited
Alias Name	MTP Number Type
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The type of number that the MTP Number represents.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_NUM_TYPE</a>
Data Type	String (1)

### 7.65 MTPNUM

Geodatabase Name	MTPNUM
BLM Structured Name	Master_Title_Plat_Number
Inheritance	Not Inherited

Alias Name	None
Feature Class Use/Entity Table	HI
Definition	MTP Number. The number found on the MTP to identify the case, e.g., Patent number, Serial Number, Document ID number.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (50)

## 7.66 MTPNUM\_ALL

Geodatabase Name	MTPNUM_ALL
BLM Structured Name	Master_Title_Plat_All_Number
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	MTP Number populated in each row of the table HI associated with that particular case. The number found on the MTP to identify the case, e.g., Patent number, Serial Number, Document ID number.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (50)

## 7.67 MTPNUM\_FLAG

Geodatabase Name	MTPNUM_FLAG
BLM Structured Name	Master_Title_Plat_Number_Flag_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	MTP Number Flag. The code associated with the MTP number field to identify if the row is a legal description row or base row that contains an MTP Number. Values are: MTPNUM; DATEONLY; or LOCONLY.
Required/Optional	Optional
Domain (Valid Values)	None
Data Type	String (10)

## 7.68 MTPPMER

Geodatabase Name	MTPPMER
BLM Structured Name	Master_Title_Plat_Principal_Meridian

Inheritance	Not Inherited
Alias Name	MTPPMER
Feature Class Use/Entity Table	MTPTWP
Definition	The Principal Meridian to be displayed on the Master Title Plat, i.e., the Willamette Meridian.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (40)

## 7.69 MTPRNGDIR

Geodatabase Name	MTPRNGDIR
BLM Structured Name	Master_Title_Plat_Range_Direction_Text
Inheritance	Not Inherited
Alias Name	MTPRNGDIR
Feature Class Use/Entity Table	MTPTWP
Definition	The Range Direction to be displayed on the Master Title Plat, either East or West.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_RNG_DIR</a>
Data Type	String (25)

## 7.70 MTPRNGFRAC

Geodatabase Name	MTPRNGFRAC
BLM Structured Name	Master_Title_Plat_Range_Fraction_Text
Inheritance	Not Inherited
Alias Name	MTPRNGFRAC
Feature Class Use/Entity Table	MTPTWP
Definition	The Range Fraction to be displayed on the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_FRACTION</a>
Data Type	String (3)

## 7.71 MTPRNGNO

Geodatabase Name	MTPRNGNO
BLM Structured Name	Master_Title_Plat_Range_Number
Inheritance	Not Inherited

Alias Name	MTPRNGNO
Feature Class Use/Entity Table	MTPTWP
Definition	The Range Number to be displayed on the Master Title Plat.
Required/Optional	MTPRNGNO
Domain (Valid Values)	No Domain
Data Type	String (2)

## 7.72 MTPSEGAUTH

Geodatabase Name	MTPSEGAUTH
BLM Structured Name	Master_Title_Plat_Segregation_Authority_Code
Inheritance	Not Inherited
Alias Name	MTP Segregation Authority
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Segregation Authority
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SEG_AUTH</a>
Data Type	String (10)

## 7.73 MTPSEGNAME

Geodatabase Name	MTPSEGNAME
BLM Structured Name	Master_Title_Plat_Segregation_Name
Inheritance	Not Inherited
Alias Name	MTP Segregation Name
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	The official segregation name found on the MTP.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (100)

## 7.74 MTPSRFRST

Geodatabase Name	MTPSRFRST
BLM Structured Name	Master_Title_Plat_Surface_Restrictions_Text
Inheritance	Not Inherited
Alias Name	MTP Surface Restrictions
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	The surface restriction abbreviation shown on the MTP.

Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (20)

## 7.75 MTPSRFRTS

Geodatabase Name	MTPSRFRTS
BLM Structured Name	Master_Title_Plat_Surface_Rights_Text
Inheritance	Not Inherited
Alias Name	MTP Surface Rights
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Surface Rights to be displayed on the MTP, such as D/C, R/W, Esmt.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (50)

## 7.76 MTPSUBRST

Geodatabase Name	MTPSUBRTS
BLM Structured Name	Master_Title_Plat_Subsurface_Restrictions_Text
Inheritance	Not Inherited
Alias Name	MTP Subsurface Restrictions
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The subsurface restriction abbreviation shown on the MTP.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (50)

## 7.77 MTPSUBRTS

Geodatabase Name	MTPSUBRTS
BLM Structured Name	Master_Title_Plat_Subsurface_Rights
Inheritance	Not Inherited
Alias Name	MTP Subsurface Rights
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Rights to be displayed on the MTP, such as All Min PD, All Min Acq.
Required/Optional	Optional



Domain (Valid Values)	No Domain
Data Type	String (50)

## 7.78 MTPTWPDIR

Geodatabase Name	MTPTWPDIR
BLM Structured Name	Master_Title_Plat_Township_Direction_Code
Inheritance	Not Inherited
Alias Name	MTPTWPDIR
Feature Class Use/Entity Table	MTPTWP
Definition	The Township Direction to be displayed on the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_TWP_DIR</a>
Data Type	String (5)

## 7.79 MTPTWPFAC

Geodatabase Name	MTPTWPFAC
BLM Structured Name	Master_Title_Plat_Township_Fraction_Code
Inheritance	Not Inherited
Alias Name	MTPTWPFAC
Feature Class Use/Entity Table	MTPTWP
Definition	The Township Fraction to be displayed on the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_FRACTION</a>
Data Type	String (3)

## 7.80 MTPTWPNO

Geodatabase Name	MTPTWPNO
BLM Structured Name	Master_Title_Plat_Township_Number
Inheritance	Not Inherited
Alias Name	MTPTWPNO
Feature Class Use/Entity Table	MTPTWP
Definition	The Township Number to be displayed on the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (2)

## 7.81 MTPTYPE

Geodatabase Name	MTPTYPE
BLM Structured Name	Master_Title_Plat_Type_Code
Inheritance	Not Inherited
Alias Name	MTPTYPE
Feature Class Use/Entity Table	MTPTWP
Definition	The type of Plat text to be displayed on the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_TYPE</a>
Data Type	String (30)

## 7.82 MTPUSEWIDTH

Geodatabase Name	MTPUSEWIDTH
BLM Structured Name	Master_Title_Plat_Authorized_Use_Width_Number
Inheritance	Not Inherited
Alias Name	MTP Authorized Use Width
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL
Definition	Width of Authorized Use to be displayed on the Master Title Plat
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (10)

## 7.83 NENE

Geodatabase Name	NENE
BLM Structured Name	Master_Title_Plat_NENE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northeast quarter of the northeast quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.84 NENW**

Geodatabase Name	NENW
BLM Structured Name	Master_Title_Plat_NENW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northeast quarter of the Northwest quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.85 NESE**

Geodatabase Name	NESE
BLM Structured Name	Master_Title_Plat_NESE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northeast quarter of the Southeast quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.86 NESW**

Geodatabase Name	NESW
BLM Structured Name	Master_Title_Plat_NESW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northeast quarter of the Southwest quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.87 NWNE**

Geodatabase Name	NWNE
BLM Structured Name	Master_Title_Plat_NWNE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northwest quarter of the Northeast quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.88 NWNW**

Geodatabase Name	NWNW
BLM Structured Name	Master_Title_Plat_NWNW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northwest quarter of the Northwest quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.89 NWSE**

Geodatabase Name	NWSE
BLM Structured Name	Master_Title_Plat_NWSE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northwest quarter of the Southeast quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.90 NWSW**

Geodatabase Name	NWSW
BLM Structured Name	Master_Title_Plat_NWSW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Northwest quarter of the Southwest quarter Aliquot.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.91 OTHDESC**

Geodatabase Name	OTHDESC
BLM Structured Name	Master_Title_Plat_Other_Description_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Legal descriptions which do not fit into Aliquot Parts or Lots. e.g., metes and bounds, other townships.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	CLOB (Character Large Object) (1073741822)

**7.92 OVERRIDE**

Geodatabase Name	OVERRIDE
BLM Structured Name	Master_Title_Plat_Override_Number
Inheritance	Not Inherited
Alias Name	Override
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, CARTOPOLY, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINE, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Indicates that a features representation has been overridden.
Required/Optional	Optional
Domain (Valid Values)	No Domain

Data Type	Long Integer
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### 7.93 OVERRIDE\_1

Geodatabase Name	OVERRIDE_1
BLM Structured Name	Master_Title_Plat_Override1_Text
Inheritance	Not Inherited
Alias Name	Override_1
Feature Class Use/Entity Table	AUTHUSEPOLY, SEGREGATIONS, SUBCASEPOLY, SURFCASEPOLY
Definition	Indicates that a features representation has been overridden.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Blob

### 7.94 OVERRIDE\_2

Geodatabase Name	OVERRIDE_2
BLM Structured Name	Master_Title_Plat_Override2_Text
Inheritance	Not Inherited
Alias Name	Override_2
Feature Class Use/Entity Table	SURFCASEPOLY
Definition	Indicates that a features representation has been overridden.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Blob

### 7.95 PLSSID

Geodatabase Name	PLSSID
BLM Structured Name	Public_Land_Survey_System_Identifier_Text
Inheritance	Not Inherited
Alias Name	PLSSID
Feature Class Use/Entity Table	All feature classes
Definition	Township Identifier.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (15)

**7.96 PLSSSRCE**

Geodatabase Name	PLSSSRCE
BLM Structured Name	Public_Land_Survey_System_Source_Text
Inheritance	Not Inherited
Alias Name	PLSS Source
Feature Class Use/Entity Table	MTPTWP
Definition	Source of the Public Land Survey System data used.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (15)

**7.97 PLSSTWPTYP**

Geodatabase Name	PLSSTWPTYP
BLM Structured Name	Public_Land_Survey_System_Township_Type_Code
Inheritance	Not Inherited
Alias Name	PLSSTWPTYP
Feature Class Use/Entity Table	MTPTWP
Definition	The Survey status for the associated township. i.e., Surveyed, Unsurveyed, or Partially Surveyed.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_PLSS_SRV_STTS</a>
Data Type	String (8)

**7.98 POLYTYP**

Geodatabase Name	POLYTYP
BLM Structured Name	Master_Title_Plat_Polygon_Type_Code
Inheritance	Not Inherited
Alias Name	Polygon Type
Feature Class Use/Entity Table	CARTOPOLY
Definition	The type of polygon being created, such as Patent, Whiteout, and Blackout.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_POLY_TYPE</a>
Data Type	String (15)

## 7.99 POSTDATE

Geodatabase Name	POSTDATE
BLM Structured Name	Master_Title_Plat_Posted_to_Records_Date
Inheritance	Not Inherited
Alias Name	Posted to Records Date
Feature Class Use/Entity Table	MTPTWP
Definition	The date that the Plat was posted to public records.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Date

## 7.100 PRINMER

Geodatabase Name	PRINMER
BLM Structured Name	Master_Title_Plat_Principal_Meridian_Text_Code
Inheritance	Inherited from CadNSDI National Standard
Alias Name	PRINMER
Feature Class Use/Entity Table	MTPTWP
Definition	The Principal Meridian Text displayed on the Master Title Plat
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_PRIN_MER_NUM</a>
Data Type	String (40)

## 7.101 PRINMERCDCD

Geodatabase Name	PRINMERCDCD
BLM Structured Name	Master_Title_Plat_Principal_Meridian_Code
Inheritance	Inherited from CadNSDI National Standard
Alias Name	PRINMERCDCD
Feature Class Use/Entity Table	MTPTWP
Definition	The Principal Meridian code displayed on the Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_PRIN_MER_NUM</a>
Data Type	String (2)



## 7.102 PROVISIONAL

Geodatabase Name	PROVISIONAL
BLM Structured Name	Master_Title_Plat_Provisional_Code
Inheritance	Not Inherited
Alias Name	Provisional
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Used to identify features created using Verified sources as opposed to those that are created using unverified methods such as digitizing.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_PROVISIONAL</a>
Data Type	String (1)

## 7.103 RANGEDIR

Geodatabase Name	RANGEDIR
BLM Structured Name	Master_Title_Plat_Range_Direction_Text
Inheritance	Inherited from CadNSDI National Standard
Alias Name	RANGEDIR
Feature Class Use/Entity Table	MTPTWP
Definition	The direction of a column of townships from a Public Land Survey System Origin. Used in township title on Master Title Plat.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (1)

## 7.104 RANGEFRAC

Geodatabase Name	RANGEFRAC
BLM Structured Name	Master_Title_Plat_Range_Fraction_Number
Inheritance	Inherited from CadNSDI National Standard
Alias Name	RANGEFRAC
Feature Class Use/Entity Table	MTPTWP
Definition	Range fractions are a result of accounting for Gaps that occurred between Ranges during their original creation. Used in township title on Master Title Plat.
Required/Optional	Required

Domain (Valid Values)	<a href="#">dom_MTP_FRACTION</a>
Data Type	String (1)

## 7.105 RANGENO

Geodatabase Name	RANGENO
BLM Structured Name	Master_Title_Plat_Range_Number
Inheritance	Inherited from CadNSDI National Standard
Alias Name	RANGENO
Feature Class Use/Entity Table	MTPTWP
Definition	The range number indicates the number of columns of townships, east or west from a Public Land Survey System Origin. Used in township title on Master Title Plat
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (3)

## 7.106 REMARKS

Geodatabase Name	REMARKS
BLM Structured Name	Master_Title_Plat_Remarks_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Additional case information such as rights, restrictions, Serial Numbers, links to later actions.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	CLOB (Character Large Object) (1073741822)

## 7.107 ROW\_NUM

Geodatabase Name	ROW_NUM
BLM Structured Name	Master_Title_Plat_Historical_Index_Row_Number
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Table row number used to correctly sort base and location rows in proper order.
Required/Optional	Optional

Domain (Valid Values)	No domain
Data Type	Long Integer

## 7.108 RULEID

Geodatabase Name	RULEID
BLM Structured Name	Master_Title_Plat_Rule_Identifier_Code
Inheritance	Not Inherited
Alias Name	RuleID
Feature Class Use/Entity Table	AUTHUSELINE, SURFCASELINE
Definition	Representation rule identifier that corresponds to the symbol for the feature.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_REPRULE_AUTHUSE_LINE</a> , <a href="#">dom_MTP_REPRULE_SURFCASE_LINE</a>
Data Type	Long Integer

## 7.109 RULEID\_1

Geodatabase Name	RULEID_1
BLM Structured Name	Master_Title_Plat_Rule1_Identifier_Code
Inheritance	Not Inherited
Alias Name	RuleID_1
Feature Class Use/Entity Table	AUTHUSEPOLY, SEGREGATIONS, SUBCASEPOLY, SURFCASEPOLY
Definition	Representation rule identifier that corresponds to the symbol for the feature.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_REPRULE_AUTHUSE_POLY</a> , <a href="#">dom_MTP_REPRULE_SEG</a> , <a href="#">dom_MTP_REPRULE_SUBCASE_POLY</a> , <a href="#">dom_MTP_REPRULE_SURFCASE_POLY1</a>
Data Type	Long Integer

## 7.110 RULEID\_2

Geodatabase Name	RULEID_2
BLM Structured Name	Master_Title_Plat_Rule2_Identifier_Code
Inheritance	Not Inherited
Alias Name	RuleID_2
Feature Class Use/Entity Table	SURFCASEPOLY
Definition	Representation rule identifier that corresponds to the symbol for the feature.
Required/Optional	Required

Domain (Valid Values)	dom_MTP_REPRULE_SURFCASE_POLY2
Data Type	Long Integer

### 7.111 SCRIPTDATE

Geodatabase Name	SCRIPTDATE
BLM Structured Name	Master_Title_Plat_Script_Date
Inheritance	Not Inherited
Alias Name	SCRIPTDATE
Feature Class Use/Entity Table	MTPTWP
Definition	Date that script to build MTPTWP feature was completed.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Date

### 7.112 SECDIVID

Geodatabase Name	SECDIVID
BLM Structured Name	Master_Title_Plat_Second_Division_Identifier
Inheritance	Not Inherited
Alias Name	SECDIVID
Feature Class Use/Entity Table	MTPFRAME, PLSSECONDDIVISIONANNO
Definition	Identifier for the associated Public Land Survey System Second Division feature.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (50)

### 7.113 SECT

Geodatabase Name	SECT
BLM Structured Name	Master_Title_Plat_Section_Number
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Section Number.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

## 7.114 SEGCAT

Geodatabase Name	SEGCAT
BLM Structured Name	Master_Title_Plat_Segregation_Category_Code
Inheritance	Not Inherited
Alias Name	Segregation Category
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	The type of segregation (e.g., withdrawals, classifications, determinations).
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_SEG_CAT</a>
Data Type	String (15)

## 7.115 SEGNAME

Geodatabase Name	SEGNAME
BLM Structured Name	Master_Title_Plat_Segregation_Name
Inheritance	Not Inherited
Alias Name	Segregation Name
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	The official segregation name.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (100)

## 7.116 SEGSUBCAT

Geodatabase Name	SEGSUBCAT
BLM Structured Name	Master_Title_Plat_Segregation_Subcategory_Code
Inheritance	Not Inherited
Alias Name	Segregation Subcategory
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	The subcategory of temporary withdrawals (found in SEGCAT). This includes exchange applications, proposed withdrawals, and Notice of Realty Actions (NORA).
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SEG_SUB_CAT</a>
Data Type	String (15)

**7.117 SENE**

Geodatabase Name	SENE
BLM Structured Name	Master_Title_Plat_SENE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southeast quarter of the Northeast quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.118 SENW**

Geodatabase Name	SENW
BLM Structured Name	Master_Title_Plat_SENW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southeast quarter of the Northwest quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.119 SERIALNOSF**

Geodatabase Name	SERIALNOSF
BLM Structured Name	Master_Title_Plat_Serial_Number_with_Suffix_Text
Inheritance	Not Inherited
Alias Name	Serial Number with Suffix
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINE_HISTORICAL, AUTHUSEPOLY, AUTHUSEPOLY_HISTORICAL, MNGAGENCY, MNGAGENCY_HISTORICAL, SEGREGATIONS, SEGREGATIONS_HISTORICAL, SUBCASEPOLY, SUBCASEPOLY_HISTORICAL, SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL, HI
Definition	Serial Number with Suffix (LR2000 format without case part) This is the format that will be found on the MTPs when available.
Required/Optional	Optional
Domain (Valid Values)	No Domain

Data Type	String (20)
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## 7.120 SERIALNOSF\_ALL

Geodatabase Name	SERIALNOSF_ALL
BLM Structured Name	Master_Title_Plat_Serial_Number_with_Suffix_All_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Serial Number with Suffix (LR2000 format without case part). Used when available in every row of action to help create link to LR2000
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (20)

## 7.121 SESE

Geodatabase Name	SESE
BLM Structured Name	Master_Title_Plat_SESE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southeast quarter of the Southeast quarter Aliquot Part
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

## 7.122 SESW

Geodatabase Name	SESW
BLM Structured Name	Master_Title_Plat_SESW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southeast quarter of the Southwest quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.123 SOURCE**

Geodatabase Name	SOURCE
BLM Structured Name	Master_Title_Plat_Historical_Index_Source_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Source method used to link cases from the HI data table to LR2000
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (15)

**7.124 SRFRST2**

Geodatabase Name	SRFRST2
BLM Structured Name	Master_Title_Plat_Surface_Restriction2_Code
Inheritance	Not Inherited
Alias Name	Surface Restriction 2
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Secondary surface restrictions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT_RESTR2</a>
Data Type	String (5)

**7.125 SRFRST2FLG**

Geodatabase Name	SRFRST2FLG
BLM Structured Name	Master_Title_Plat_Surface_Restriction2_Flag_Code
Inheritance	Not Inherited
Alias Name	Surface Restriction 2 Flag
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Flag indicating an exception.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)



**7.126 SRFRST3**

Geodatabase Name	SRFRST3
BLM Structured Name	Master_Title_Plat_Surface_Restriction3_Code
Inheritance	Not Inherited
Alias Name	Surface Restriction 3
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Tertiary Surface restrictions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT_RESTR2</a>
Data Type	String (5)

**7.127 SRFRST3FLG**

Geodatabase Name	SRFRST3FLG
BLM Structured Name	Master_Title_Plat_Surface_Restriction3_Flag_Code
Inheritance	Not Inherited
Alias Name	Surface Restriction 3 Flag
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Flag indicating an exception.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)

**7.128 SRFRT1**

Geodatabase Name	SRFRT1
BLM Structured Name	Master_Title_Plat_Surface_Right1_Code
Inheritance	Not Inherited
Alias Name	Surface Right 1
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Primary Right(s) reserved to the U.S. that are associated with the case.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT1</a>
Data Type	String (3)

**7.129 SRFRT1PER**

Geodatabase Name	SRFRT1PER
BLM Structured Name	Master_Title_Plat_Surface_Right1_Percentage_Number
Inheritance	Not Inherited
Alias Name	Surface Right 1 Percentage
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.130 SRFRT2**

Geodatabase Name	SRFRT2
BLM Structured Name	Master_Title_Plat_Surface_Right2_Code
Inheritance	Not Inherited
Alias Name	Surface Right 2
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Right(s) reserved to the U.S. that are associated with the case.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT2</a>
Data Type	String (3)

**7.131 SRFRT2FLG**

Geodatabase Name	SRFRT2FLG
BLM Structured Name	Master_Title_Plat_Surface_Right2_Flag_Code
Inheritance	Not Inherited
Alias Name	Surface Right 2 Flag
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	An indicator that the surface right mentioned is an exception.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)

**7.132 SRFRT2PER**

Geodatabase Name	SRFRT2PER
BLM Structured Name	Master_Title_Plat_Surface_Right2_Percentage_Number
Inheritance	Not Inherited
Alias Name	Surface Right 2 Percentage
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.133 SRFRT3**

Geodatabase Name	SRFRT3
BLM Structured Name	Master_Title_Plat_Surface_Right3_Code
Inheritance	Not Inherited
Alias Name	Surface Right 3
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Right(s) reserved to the U.S. that are associated with the case.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT2</a>
Data Type	String (3)

**7.134 SRFRT3FLG**

Geodatabase Name	SRFRT3FLG
BLM Structured Name	Master_Title_Plat_Surface_Right3_Flag_Code
Inheritance	Not Inherited
Alias Name	Surface Right 3 Flag
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	An indicator that the surface right mentioned is an exception.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)

**7.135 SRFRT3PER**

Geodatabase Name	SRFRT3PER
BLM Structured Name	Master_Title_Plat_Surface_Right3_Percentage_Number
Inheritance	Not Inherited
Alias Name	Surface Right 3 Percentage
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.136 SRFRT4**

Geodatabase Name	SRFRT4
BLM Structured Name	Master_Title_Plat_Surface_Right4_Code
Inheritance	Not Inherited
Alias Name	Surface Right 4
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Right(s) reserved to the U.S. that are associated with the case.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT2</a>
Data Type	String (3)

**7.137 SRFRT4FLG**

Geodatabase Name	SRFRT4FLG
BLM Structured Name	Master_Title_Plat_Surface_Right4_Flag_Code
Inheritance	Not Inherited
Alias Name	Surface Right 4 Flag
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	An indicator that the surface right mentioned is an exception.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)

**7.138 SRFRT4PER**

Geodatabase Name	SRFRT4PER
BLM Structured Name	Master_Title_Plat_Surface_Right4_Percentage_Number
Inheritance	Not Inherited
Alias Name	Surface Right 4 Percentage
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.139 SRFRT5**

Geodatabase Name	SRFRT5
BLM Structured Name	Master_Title_Plat_Surface_Right5_Code
Inheritance	Not Inherited
Alias Name	Surface Right 5
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Right(s) reserved to the U.S. that are associated with the case.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT2</a>
Data Type	String (3)

**7.140 SRFRT5FLG**

Geodatabase Name	SRFRT5FLG
BLM Structured Name	Master_Title_Plat_Surface_Right5_Flag_Code
Inheritance	Not Inherited
Alias Name	Surface Right 5 Flag
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	An indicator that the surface right mentioned is an exception.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)

**7.141 SRFRT5PER**

Geodatabase Name	SRFRT5PER
BLM Structured Name	Master_Title_Plat_Surface_Right5_Percentage_Number
Inheritance	Not Inherited
Alias Name	Surface Right 5 Percentage
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.142 SRFRTOTH**

Geodatabase Name	SRFRTOTH
BLM Structured Name	Surface_Right_Other_Code
Inheritance	Not Inherited
Alias Name	Surface Right Other
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	Right(s) reserved to the U.S. that are associated with the land
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT_OTH</a>
Data Type	String (20)

**7.143 STATEABBR**

Geodatabase Name	STATEABBR
BLM Structured Name	State_Abbreviation_Text
Inheritance	Inherited from CadNSDI National Standard
Alias Name	STATEABBR
Feature Class Use/Entity Table	MTPTWP
Definition	The state in which the township resides.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_STATE</a>
Data Type	String (2)

## 7.144 STATUS

Geodatabase Name	STATUS
BLM Structured Name	Annotation_Status_Code
Inheritance	Not Inherited
Alias Name	Status
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Placement status of the annotation feature.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">AnnotationStatus</a>
Data Type	Short Integer

## 7.145 SUBRST1

Geodatabase Name	SUBRST1
BLM Structured Name	Master_Title_Plot_Subsurface_Restrictions1_Code
Inheritance	Not Inherited
Alias Name	Subsurface Restriction 1
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Subsurface restrictions such as Not Open to Subsurface (NOSS) or Not Open to Leasing (NOL).
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT_RESTRI</a>
Data Type	String (5)

## 7.146 SUBRST2

Geodatabase Name	SUBRST2
BLM Structured Name	Master_Title_Plot_Subsurface_Restrictions2_Code
Inheritance	Not Inherited
Alias Name	Subsurface Restriction 2
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Secondary Subsurface restrictions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT_RESTR2</a>
Data Type	String (5)

**7.147 SUBRST2FLG**

Geodatabase Name	SUBRST2FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Restrictions2_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Restriction 2 Flag
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Exception flag.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)

**7.148 SUBRST3**

Geodatabase Name	SUBRST3
BLM Structured Name	Master_Title_Plot_Subsurface_Restrictions3_Code
Inheritance	Not Inherited
Alias Name	Subsurface Restriction 3
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Tertiary Subsurface restrictions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT_RESTR2</a>
Data Type	String (5)

**7.149 SUBRST3FLG**

Geodatabase Name	SUBRST3FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Restrictions3_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Restriction 3 Flag
Feature Class Use/Entity Table	SEGREGATIONS, SEGREGATIONS_HISTORICAL
Definition	Exception flag.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_EXCEPTION</a>
Data Type	String (2)



**7.150 SUBRT1**

Geodatabase Name	SUBRT1
BLM Structured Name	Master_Title_Plot_Subsurface_Right1_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 1
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Right(s) reserved to the U.S. that are associated with the land.
Required/Optional	Required
Domain (Valid Values)	dom_MTP_SUB_RGT1
Data Type	String (3)

**7.151 SUBRT1FLG**

Geodatabase Name	SUBRT1FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Right1_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 1 Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_RGT1_FLAG</a>
Data Type	String (2)

**7.152 SUBRT1PER**

Geodatabase Name	SUBRT1PER
BLM Structured Name	Master_Title_Plot_Subsurface_Right1_Percentage_Number
Inheritance	Not Inherited
Alias Name	Subsurface Right 1 Percentage
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL,
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.153 SUBRT2**

Geodatabase Name	SUBRT2
BLM Structured Name	Master_Title_Plot_Subsurface_Right2_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 2
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Right(s) reserved to the U.S. that are associated with the land.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT2</a>
Data Type	String (3)

**7.154 SUBRT2FLG**

Geodatabase Name	SUBRT2FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Right2_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 2 Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_RGT2_FLAG</a>
Data Type	String (2)

**7.155 SUBRT2PER**

Geodatabase Name	SUBRT2PER
BLM Structured Name	Master_Title_Plot_Subsurface_Right2_Percentage_Number
Inheritance	Not Inherited
Alias Name	Subsurface Right 2 Percentage
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL,
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.156 SUBRT3**

Geodatabase Name	SUBRT3
BLM Structured Name	Master_Title_Plot_Subsurface_Right3_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 3
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Right(s) reserved to the U.S. that are associated with the land.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT2</a>
Data Type	String (3)

**7.157 SUBRT3FLG**

Geodatabase Name	SUBRT3FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Right3_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 3 Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_RGT2_FLAG</a>
Data Type	String (2)

**7.158 SUBRT3PER**

Geodatabase Name	SUBRT3PER
BLM Structured Name	Master_Title_Plot_Subsurface_Right3_Percentage_Number
Inheritance	Not Inherited
Alias Name	Subsurface Right 3 Percentage
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL,
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.159 SUBRT4**

Geodatabase Name	SUBRT4
BLM Structured Name	Master_Title_Plot_Subsurface_Right4_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 4
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Right(s) reserved to the U.S. that are associated with the land.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT2</a>
Data Type	String (3)

**7.160 SUBRT4FLG**

Geodatabase Name	SUBRT4FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Right4_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 4 Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_RGT2_FLAG</a>
Data Type	String (2)

**7.161 SUBRT4PER**

Geodatabase Name	SUBRT4PER
BLM Structured Name	Master_Title_Plot_Subsurface_Right4_Percentage_Number
Inheritance	Not Inherited
Alias Name	Subsurface Right 4 Percentage
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL,
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.162 SUBRT5**

Geodatabase Name	SUBRT5
BLM Structured Name	Master_Title_Plot_Subsurface_Right5_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 5
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Right(s) reserved to the U.S. that are associated with the land.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT2</a>
Data Type	String (3)

**7.163 SUBRT5FLG**

Geodatabase Name	SUBRT5FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Right5_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 5 Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_RGT2_FLAG</a>
Data Type	String (2)

**7.164 SUBRT5PER**

Geodatabase Name	SUBRT5PER
BLM Structured Name	Master_Title_Plot_Subsurface_Right5_Percentage_Number
Inheritance	Not Inherited
Alias Name	Subsurface Right 5 Percentage
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL,
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.165 SUBRT6**

Geodatabase Name	SUBRT6
BLM Structured Name	Master_Title_Plot_Subsurface_Right6_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 6
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	Subsurface Right(s) reserved to the U.S. that are associated with the land.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SUB_RGT2</a>
Data Type	String (3)

**7.166 SUBRT6FLG**

Geodatabase Name	SUBRT6FLG
BLM Structured Name	Master_Title_Plot_Subsurface_Right6_Flag_Code
Inheritance	Not Inherited
Alias Name	Subsurface Right 6 Flag
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL
Definition	An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_RGT2_FLAG</a>
Data Type	String (2)

**7.167 SUBRT6PER**

Geodatabase Name	SUBRT6PER
BLM Structured Name	Master_Title_Plot_Subsurface_Right6_Percentage_Number
Inheritance	Not Inherited
Alias Name	Subsurface Right 6 Percentage
Feature Class Use/Entity Table	SUBCASEPOLY, SUBCASEPOLY_HISTORICAL,
Definition	The percentage of the right that is reserved to the U.S.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

**7.168 SURFCLASS**

Geodatabase Name	SURFCLASS
BLM Structured Name	Master_Title_Plot_Surface_Right_Classification_Code
Inheritance	Not Inherited
Alias Name	Surface Right Classification
Feature Class Use/Entity Table	SURFCASELINE, SURFCASELINE_HISTORICAL, SURFCASEPOLY, SURFCASEPOLY_HISTORICAL
Definition	The action's land status classification.
Required/Optional	Optional
Domain (Valid Values)	<a href="#">dom_MTP_SURF_RGT_CLS</a>
Data Type	String (5)

**7.169 SURVID**

Geodatabase Name	SURVID
BLM Structured Name	Survey_Identifier
Inheritance	Not Inherited
Alias Name	SURVID
Feature Class Use/Entity Table	PLSSSPECIALSURVEYANNO
Definition	Unique identifier for a PLSS Special Survey feature.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	String (50)

**7.170 SWNE**

Geodatabase Name	SWNE
BLM Structured Name	Master_Title_Plat_SWNE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southwest quarter of the Northeast quarter Aliquot Part
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.171 SWNW**

Geodatabase Name	SWNW
BLM Structured Name	Master_Title_Plat_SWNW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southwest quarter of the Northwest quarter Aliquot Part
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.172 SWSE**

Geodatabase Name	SWSE
BLM Structured Name	Master_Title_Plat_SWSE_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southwest quarter of the Southeast quarter Aliquot Part
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)

**7.173 SWSW**

Geodatabase Name	SWSW
BLM Structured Name	Master_Title_Plat_SWSW_Text
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Southwest quarter of the Southwest quarter Aliquot Part.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (255)



**7.174 SYMBOLID**

Geodatabase Name	SYMBOLID
BLM Structured Name	Symbol_Identifier
Inheritance	Not Inherited
Alias Name	SymbolID
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	Symbol Identifier
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Long Integer

**7.175 TEMP\_ID**

Geodatabase Name	TEMP_ID
BLM Structured Name	Temporary_Identifier
Inheritance	Not Inherited
Alias Name	TEMP_ID
Feature Class Use/Entity Table	SURFCASEPOLYANNO
Definition	Identifier code of a temporary nature.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Long Integer

**7.176 TEXTSTRING**

Geodatabase Name	TEXTSTRING
BLM Structured Name	Annotation Text
Inheritance	Not Inherited
Alias Name	TextString
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, CARTOANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The annotation text displayed on the Master Title Plat.
Required/Optional	Optional

Domain (Valid Values)	No Domain
Data Type	String (255)

### 7.177 TRADSERIALNOSF

Geodatabase Name	TRADSERIALNOSF
BLM Structured Name	Master_Title_Plot_Traditional_Serial_Number
Inheritance	Not Inherited
Alias Name	None
Feature Class Use/Entity Table	HI
Definition	Traditional form of the serial number.
Required/Optional	Optional
Domain (Valid Values)	No domain
Data Type	String (20)

### 7.178 TWNSHPDIR

Geodatabase Name	TWNSHPDIR
BLM Structured Name	Master_Title_Plat_Township_Direction_Text
Inheritance	Inherited from CadNSDI National Standard
Alias Name	TWNSHPDIR
Feature Class Use/Entity Table	MTPTWP
Definition	The direction of a row of Townships from a Public Land Survey System Origin.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (1)

### 7.179 TWNSHPDPCD

Geodatabase Name	TWNSHPDPCD
BLM Structured Name	Master_Title_Plat_Township_Duplicate_Code
Inheritance	Inherited from CadNSDI National Standard
Alias Name	TWNSHPDPCD
Feature Class Use/Entity Table	MTPTWP
Definition	If there is more than one township with the same ID, duplicate Status is used to establish uniqueness. A is the first duplicate, B is the second, etc. A zero (0) in this field indicates no duplicate.
Required/Optional	Required

Domain (Valid Values)	No Domain
Data Type	String (1)

### 7.180 TWNSHPFRAC

Geodatabase Name	TWNSHPFRAC
BLM Structured Name	Master_Title_Plat_Township_Fraction_Text
Inheritance	Inherited from CadNSDI National Standard
Alias Name	TWNSHPFRAC
Feature Class Use/Entity Table	MTPTWP
Definition	Township fractions are a result of an accounting for gaps that occurred between Townships during their original creation.
Required/Optional	Required
Domain (Valid Values)	<a href="#">dom_MTP_FRACTION</a>
Data Type	String (1)

### 7.181 TWNSHPLAB

Geodatabase Name	TWNSHPLAB
BLM Structured Name	Master_Title_Plat_Township_Label_Text
Inheritance	Inherited from CadNSDI National Standard
Alias Name	TWNSHPLAB
Feature Class Use/Entity Table	MTPTWP
Definition	Township label that is used for cartographic output or web display.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	String (25)

### 7.182 TWNSHPNO

Geodatabase Name	TWNSHPNO
BLM Structured Name	Master_Title_Plat_Township_Number_Text
Inheritance	Inherited from CadNSDI National Standard
Alias Name	TWNSHPNO
Feature Class Use/Entity Table	MTPTWP
Definition	The Township number indicates the number of rows of Townships, north or south from the Public Land Survey System origin.
Required/Optional	Required
Domain (Valid Values)	No Domain

Data Type	String (3)
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### 7.183 TWP\_FEATUREID

Geodatabase Name	TWP_FEATUREID
BLM Structured Name	Master_Title_Plat_Township_Feature_Identifier
Inheritance	Not Inherited
Alias Name	TWP_FeatureID
Feature Class Use/Entity Table	AUTHUSELINEANNO, AUTHUSEPOLYANNO, PLSSFIRSTDIVISIONANNO, PLSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SEGREGATIONSANNO, SUBCASEPOLYANNO, SURFCASELINEANNO, SURFCASEPOLYANNO
Definition	The Object ID of the associated Authorized Use Line feature for a specific township.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Long Integer

### 7.184 TWP\_OBJECTID

Geodatabase Name	TWP_OBJECTID
BLM Structured Name	Master_Title_Plat_Township_Object_Identifier
Inheritance	Not Inherited
Alias Name	TWP_OBJECTID
Feature Class Use/Entity Table	AUTHUSELINE, AUTHUSELINEANNO, AUTHUSEPOLY, AUTHUSEPOLYANNO, LOTSANNO, PLSSFIRSTDIVISIONANNO, PLSSECONDDIVISIONANNO, PLSSSPECIALSURVEYANNO, SECTIONANNO, SEGREGATIONS, SEGREGATIONSANNO, SUBCASEPOLY, SUBCASEPOLYANNO, SURFCASELINE, SURFCASELINEANNO, SURFCASEPOLY, SURFCASEPOLYANNO
Definition	The feature identifier for its associated township.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Long Integer

### 7.185 UNDERLINE

Geodatabase Name	UNDERLINE
BLM Structured Name	Annotation_Underline_Code
Inheritance	Not Inherited
Alias Name	Underline

Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	The assignment of underlined or regular font to the annotation feature.
Required/Optional	Required
Domain (Valid Values)	<a href="#">BooleanSymbolValue</a>
Data Type	Short Integer

## 7.186 VERSION\_NAME

Geodatabase Name	VERSION_NAME
BLM Structured Name	Geodatabase_Version_Name_Text
Inheritance	Inherited from entity ODF
Alias Name	VERSION_NAME
Feature Class Use/Entity Table	All feature classes
Definition	<p>Name of the corporate geodatabase version previously used to edit the record.</p> <p>InitialLoad = feature has not been edited in ArcSDE.</p> <p>Format: username.XXX-mmddy-hhmmss = version name of last edit (hours might be a single digit; leading zeros are trimmed for hours only). XXX=theme abbreviation.</p> <p>Example: sfrazier.FIRE_POLY-121210-111034</p> <p>Only appears in the transactional (edit) version. Public version (which is also the version used internally for mapping or analysis) does not contain this attribute.</p>
Required/Optional	Required (automatically generated)
Domain (Valid Values)	No Domain
Data Type	String (50)

## 7.187 VERTICALALIGNMENT

Geodatabase Name	VERTICALALIGNMENT
BLM Structured Name	Annotation_Vertical_Alignment_Number
Inheritance	Not Inherited
Alias Name	VerticalAlignment
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno,

	SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	Valid symbol vertical alignment values.
Required/Optional	Required
Domain (Valid Values)	<a href="#">VerticalAlignment</a>
Data Type	Short Integer

## 7.188 WORDSPACING

Geodatabase Name	WORDSPACING
BLM Structured Name	Annotation_Word_Spacing_Number
Inheritance	Not Inherited
Alias Name	WORDSPACING
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	Specifies the percentage of spacing between words.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

## 7.189 XOFFSET

Geodatabase Name	XOFFSET
BLM Structured Name	Annotation_X_Offset_Number
Inheritance	Not Inherited
Alias Name	XOFFSET
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	Shifts the text position left or right.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

**7.190 YOFFSET**

Geodatabase Name	YOFFSET
BLM Structured Name	Annotation_Y_Offset_Number
Inheritance	Not Inherited
Alias Name	YOFFSET
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	Shifts the text position up or down.
Required/Optional	Required
Domain (Valid Values)	No Domain
Data Type	Double

**7.191 ZORDER**

Geodatabase Name	ZORDER
BLM Structured Name	Annotation_Z_Order_Number
Inheritance	Not Inherited
Alias Name	ZORDER
Feature Class Use/Entity Table	AUTHUSELINEAnno, AUTHUSEPOLYAnno, LOTSANNO, PLSSFirstDivisionAnno, PLSSSecondDivisionAnno, PLSSSpecialSurveyAnno, SectionAnno, SEGREGATIONSAnno, SUBCASEPOLYAnno, SURFCASELINEAnno, SURFCASEPOLYAnno, CARTOAnno
Definition	This field is unused at this time.
Required/Optional	Optional
Domain (Valid Values)	No Domain
Data Type	Double

## 8 Publication Views

### 8.1 General

Master corporate feature classes/datasets maintained in the edit database (currently ORSOEDIT) are "published" to the user database (currently ORSOVCTR) in several ways:

- Copied completely with no changes (replicated).
- Copied with no changes except to omit one or more feature classes from a feature dataset.
- Minor changes made (e.g., clip, dissolve, union with ownership) to make the data easier to use. Feature classes that have been changed are indicated by "PUB" in their name. They are created through scripts that can be automatically executed and are easily rebuilt from the master (ORSOEDIT) data whenever necessary.

### 8.2 Specific to This Dataset

Publication feature classes will be created for internal use where:

- The attribute VERSION\_NAME is removed (for privacy reasons).
- The edit tracking attributes CREATE\_BY, CREATE\_DATE, MODIFY\_BY, MODIFY\_DATE are removed.
- Historical feature classes will not be included.

This dataset will NOT be made available on the public data downloads page.

### 8.3 Layer Files

Layer files are not new data requiring storage and maintenance but point to existing data. They have appropriate selection and symbolization for correct use and display of the data. They provide the guidance for data published on the web. Layer files are created by simple, documented processes, and can be deleted and recreated at any time.

At the time of publication of this data standard, there are no layer file requirements for this dataset.



## 9 Editing Procedures

### 9.1 Managing Overlap (General Guidance)

"Overlap" means there are potentially more than one feature in the same feature class that occupies the same space ("stacked" polygons). Depending on the query, acres will be double counted.

In this discussion, an area entity may consist of more than one polygon, and a line entity may consist of more than one arc. They would have multiple records in the spatial table (with identical attributes). Multi-part features are not allowed. Multi-part features are easily created inadvertently and not always easy to identify. If they are not consciously and consistently avoided, feature classes will end up with a mixture of single and multi-part features. Multi-part features can be more difficult to edit, query, and select, along with impacting overall performance.

Overlap is only allowed in the ODF in limited and controlled scenarios. In each case, the "cause" of the overlap (the attribute changes that "kick off" a new feature which may overlap an existing feature) is carefully defined and controlled. In other words, in feature classes that permit overlap for a change in spatial extent, there is always a new feature created which may overlap an existing feature, but in addition there are certain attribute(s) that will result in a new feature even if there is no spatial change. The feature classes (and the one feature dataset) that allow overlap, and the attributes that lead to a new, possibly overlapping feature, are described below.

#### 9.1.1 Overlapping Polygons where polygons are a stand-alone feature class.

- No topology rules.
- Species Occurrence Group: These are distinct sites defined by species and time. A different species creates a new polygon which may overlap another site in whole or part. A change in time (new visit date) will create a new polygon if it is desired that the old spatial extent and date is retained (as historic). Additionally, for wildlife, a different season/type of use (e.g., winter range vs. spring breeding) will create new polygon that may overlap others. Examples: WEEDS\_POLY, GB\_FLORA\_SITE.
- Survey Group: Within each feature class a new survey is created only for a new date. This group might also include proposed surveys in separate feature classes. Examples: GB\_SURVEY, Archeological Survey (CULT\_SURV).
- Treatment Activity Group: Within each feature class (BURN, HARV, MECH, CHEM, BIO, REVEG, PROT), an overlapping treatment area is created only for a new date, and sometimes for a different method (if it is not possible to SPLIT the treatment area by method and it is important to capture more than one method applied to the same area on the same day). This group also includes proposed treatments which could overlap existing treatments and have additional overlap created by different treatment alternatives.
- Recreation Site Polygons (RECSITE\_POLY): An overlapping site polygon is created only for different name, type, or development level.
- Land Status Encumbrances Group: A new, possibly overlapping polygon is created for a new casefile number even if it is the same area. Examples: easement/ROW areas (ESMTROW\_POLY) and land acquisitions/disposals (ACQ\_DSP\_POLY).

#### 9.1.2 Overlapping Arcs where arcs are a stand-alone feature class.

- No topology rules.
- Examples: easement/ROW lines (ESMTROW\_ARC) a new, possibly overlapping arc is created for a new casefile number; structures (STRCT\_ARC) a new, possibly overlapping arc is created for a different name, type, RIPS number or construction date.

## 9.2 Editing Quality Control

Duplicate features. Checking for undesired duplicates is critical. Polygons or arcs that are 100% duplicate are easily found by searching for identical attributes along with identical Shape\_Area and/or Shape\_Length. Searching

for partially overlapping arcs or polygons is harder, and each case must be inspected to determine if the overlap is desired or not.

To avoid overlapping polygons on the same area, polygons from different input themes are incorporated with the Union spatial overlay tool, not copied.

Union rather than Intersect is used to prevent unintended data loss.

Gap and overlap slivers. These can be hard to find if there are no topology rules. A temporary map topology can be created to find overlap slivers. Gap slivers can be found by constructing polygons from all arcs and checking polygons with very small area.

Buffer and dissolve considerations. Where polygons are created with the buffer tool, the correct option must be selected. The default option is "None," which means overlap will be retained. Sometimes the overlap should be dissolved, and the option changed to "All." Lines resulting from buffer have vertices too close together, especially around the end curves. They should be generalized to thin the vertices. If the dissolve tool is used on polygons or arcs, the "Create multipart features" should be unchecked.

GPS considerations. GPS linework is often messy and should always be checked and cleaned up as necessary. Often vertices need to be thinned (generalize) especially at line ends. Multi-part polygons are sometimes inadvertently created when GPS files with vertices too close together or crossing lines or spikes are brought into ArcGIS. Tiny, unwanted polygons are created but are "hidden" because they are in a multi-part.

Be careful when merging lines. Multi-part lines will be created if there are tiny unintentional (unknown) gaps, and it can be difficult to find these unless the multi-parts are exploded.

Null geometry. Check any features that have 0 or very small Shape\_Area or Shape\_Length. If a feature has 0 geometry and you can't zoom to it, it is probably an inadvertently created "Null" feature and should be deleted. Very small features may also be unintended, resulting from messy line work.

Snapping considerations. Where line segments with different COORD\_SRC meet, the most accurate or important (in terms of legal boundary representation) are kept unaltered, and other lines snapped to them. In general, the hierarchy of importance is PLSS (CadNSDI points/lines) first, with DLG or SOURCEL next, then DEM, and MAP last. When snapping to the data indicated in COORD\_SRC (as opposed to duplicating with copy/paste), be sure there are the same number of vertices in the target, and source theme arcs. When the DEF\_FEATURE is "SUBDIVISION," snap the line segment to PLSS points, and make sure there are the same number of vertices in the line as PLSS points.

Check that all date fields contain valid dates in MM/DD/YYYY format. If an attribute has a domain, check for invalid values. The values must be exact.

Check for capitalization and spacing differences in attribute values that should be the same. Check for leading or trailing blanks what will make a different value even if it looks identical.

## 9.3 Vertical Integration

In the ODF, the need for vertical integration is confined to, and characteristic of, the "Boundaries" group of themes. Boundaries polygons have perimeters that are defined by other features and are *required* to stay that way. Activities and Resources polygon perimeters are "self-defining." For example, a road, ownership, or watershed line might be used to build a prescribed burn unit, but the unit perimeter is *defined* by the actual burned area.

Boundaries polylines (arcs) have attributes DEF\_FEATURE and COORD\_SRC which provide the information needed for vertical integration. When the GIS feature class indicated by COORD\_SRC changes, the arc might need to be re-snapped.

Many boundaries are defined largely by legal land lines and therefore should be snapped to Cadastral NSDI PLSS Points. Theoretically, whenever PLSS Points are updated, all polylines with COORD\_SRC = "CADNSDI" (or "GCD") should be re-snapped, but not all themes have the same need or priority. Sub-groups of ODF Boundaries provide a prioritization with the "Land Status" group being the highest priority, followed by the "Political and Administrative" group then the "Special Management Area" group.

Vertical Integration to updated legal land lines is accomplished simply by re-snapping vertices to PLSS Points and is not difficult if the polylines have vertices that coincide with PLSS points. Datasets can be updated independently of each other and partially, as time permits.

When arcs are copied from one boundary dataset to another, DEF\_FEATURE may need to be changed. For example, a Resource Area Boundary (RAB) polyline might be defined as "SUBDIVISION", but when it is copied to Plan Area Boundary (PLANBDY) the plan boundary is defined by Resource Area and DEF\_FEATURE should be changed to "BLM\_ADMIN". It is important that boundary lines copied from other themes NOT be merged, even though the attributes are all the same. The splits in the original source theme should be retained to retain exact coincidence and facilitate future updates.

## 9.4 Theme Specific Guidance

There is much in the data standard that addresses editing and provides guidance especially in the Data Management Protocols (Section 3).

This theme and the data contained within will be maintained by the Oregon State Office.

### 9.4.1 Calculation Data Rules

The following are a list of calculation rules that occur during editing. Calculation rules are used to automatically populate attributes in a field. These are in addition to the default values defined in Sections 4 and 7.

There are no calculation data rules for this data set.

### 9.4.2 Constraint Data Rules

The following are a list of data constraint rules that are enforced during editing. Constraint rules specify allowable combinations of values between two or more fields in a record. They are used to ensure that specific conditions are met.

There are no constraint data rules for this data set.

#### AUTHUSELINE

- MTP Number is a serial number but does not match the serial number linked to the case (MTPNOTP = '1' AND MTPNO <> SERIALNOSF).
- The Line source for this feature comes from BLM Corporate Data, this should most likely be "Verified" and not "Provisional" ((LINESOURCE LIKE '%GTRN%' OR LINESOURCE = 'BPA') AND PROVISIONAL = 'P'). This rule is a warning, not an error.
- Checks KOE against MTP AUTHUSE (MTPAUTHTP IS NULL OR (MTPAUTHTP = 'Road' AND UPPER(KOE) NOT LIKE '% RD%' AND UPPER(KOE) NOT LIKE '% ROAD%' AND UPPER(KOE) NOT LIKE '% HWY%' AND UPPER(KOE) NOT LIKE 'R/W PERMIT FROM US') OR (MTPAUTHTP = 'Fence' AND UPPER(KOE) NOT LIKE '% FENCE%' AND UPPER(KOE) NOT LIKE '% FENCES%') OR (MTPAUTHTP = 'Power' AND UPPER(KOE) NOT LIKE '% TRANS LINE%' AND UPPER(KOE) NOT LIKE '%UTILITIES%' AND UPPER(KOE) NOT LIKE '%POWER%' AND UPPER(KOE) NOT LIKE '%ANCHOR%' AND UPPER(KOE) NOT LIKE '%POWER%' AND UPPER(KOE) NOT LIKE '%PWR%')).

#### AUTHUSEPOLY

- Authusepoly Type VS KOE ((MTPAUTHTP IS NULL) OR (UPPER(KOE) LIKE '% COMM%' AND MTPAUTHTP <> 'CommSite') OR (UPPER(KOE) LIKE '% RADIO%' AND MTPAUTHTP <> 'CommSite') OR (UPPER(KOE) LIKE '% GPS STA%' AND MTPAUTHTP <> 'GPSBS') OR

(UPPER(KOE) LIKE '% MAT S%' AND MTPAUTHTP <> 'MatSite') OR (UPPER(KOE) LIKE '% OG LSE%' AND MTPAUTHTP <> 'OGLse') OR (UPPER(KOE) LIKE '% RESERVOIR%' AND MTPAUTHTP <> 'Reservoir') OR (UPPER(KOE) LIKE '% R&PP%' AND MTPAUTHTP <> 'RPP') OR (UPPER(KOE) LIKE '% SLUP%' AND MTPAUTHTP <> 'SLUP') OR (UPPER(KOE) LIKE '% ST LEASE%' AND MTPAUTHTP <> 'STLse') OR (UPPER(KOE) LIKE '% AIRSTRIP%' AND MTPAUTHTP <> 'Airstrip') OR (UPPER(KOE) LIKE '% GEO LSE%' AND MTPAUTHTP <> 'GeoLse') OR (UPPER(KOE) LIKE '% GAUGE%' AND MTPAUTHTP <> 'GaugeSite') OR (UPPER(KOE) LIKE '% WEATHER%' AND MTPAUTHTP <> 'WeatherSta') OR (UPPER(KOE) LIKE '% SURVEY CONTROL POINTS%' AND MTPAUTHTP <> 'SurveyControlPoints') OR (UPPER(KOE) LIKE '% WIND ENERGY%' AND MTPAUTHTP <> 'WindEnergy') OR (UPPER(KOE) LIKE '% AIRPORT LSE%' AND MTPAUTHTP <> 'Airport Lse').

#### SEGREGATIONS

- The MTP Surface Restrictions and The DB Surface restrictions do not match ((MTPSRFRST IS NULL AND SRFRST1 <> 'NON') OR (SRFRST1 = 'NON' AND MTPSRFRST IS NOT NULL)).
- SubRst Check ((MTPSUBRST IS NULL AND (SUBRST1 <> 'NON' AND SUBRST1 <> 'UNDET' AND SUBRST1 <> 'COM')) OR (MTPSUBRST IS NOT NULL AND (SUBRST1 = 'NON' AND SUBRST1 <> 'UNDET' AND SUBRST1 <> 'COM')))
- Surface / Subsurface Restrictions should never be null (SUBRST1 IS NULL OR SRFRST1 IS NULL).

#### SUBCASEPOLY

- MTP Number is a Serial Number but MTP Number Type does not match (MTPNO LIKE '%OR%' AND MTPNOTP <> '1').
- The NumType for Act of Cong SG should be "List" (KOE = 'Act of Cong SG' AND MTPNOTP <> '4').
- KOE doesn't Match MTP Action Text ((KOE LIKE '%SS%' AND MTPACTION <> 'SS') OR (KOE LIKE '%SG%' AND MTPACTION <> 'SG')).
- DocCat does not match up with MTP Num Type (((DOCCAT = 'PA' AND MTPNOTP <> '3' AND MTPNOTP = '1' AND MTPNO NOT LIKE '%OR%') OR ((DOCCAT = 'SG' OR DOCCAT = 'SS' OR DOCCAT = 'IL' OR DOCCAT = 'LS') AND MTPNOTP <> '4'))).
- (Serial Num) Doc Category most likely requires Serial Number in MTP Num Type ((DOCCAT = 'BR' OR DOCCAT = 'PL' OR DOCCAT = 'BO' OR DOCCAT = 'PO' OR DOCCAT = 'PP' OR DOCCAT = 'SD' OR DOCCAT = 'CO' OR DOCCAT = 'SO' OR DOCCAT = 'EO' OR DOCCAT = 'FP' OR DOCCAT = 'GL' OR DOCCAT = 'FE' OR DOCCAT = 'GS' OR DOCCAT = 'AO' OR DOCCAT = 'OO') AND MTPNOTP <> '1').
- The MTP Num Type is Serial Number but the serial number does not match the MTP Number (MTPNOTP = '1' AND MTPNO <> SERIALNOSF).
- MTP Number Type needs to be populated (MTPNOTP IS NULL AND CASETP <> '000008').
- KOE Should Not be Null, Find the correct HI Record and Populate this field (KOE IS NULL AND CASETP <> '000008').
- (MTPNO IS NULL AND CASETP <> '000008' AND MTPNOTP NOT IN (0,4)).
- Everything except Null or "No Min" subsurface rights require an associated agency ((MTPSUBRTS IS NOT NULL AND MTPSUBRTS <> 'No Min') AND ASSOCAGENCY IS NULL).
- Subsurface Right is none but there is an associated agency, this is an error (SUBRT1 = '001' AND ASSOCAGENCY IS NOT NULL).
- MTP Subsurface Rights Flag (PD or Acq) does not match the Subright 1 Flag ((MTPSUBRTS LIKE '%PD%' AND SUBRT1FLG <> 'PD') OR (MTPSUBRTS LIKE '%Acq%' AND SUBRT1FLG <> 'AQ')).

- Subsurface rights are either none and have a percentage or are not none and are missing a percentage (((SUBRT1 IN ('001','995') AND SUBRT1PER IS NOT NULL ) OR (SUBRT1 NOT IN ('001','995') AND SUBRT1PER IS NULL))).
- This Subsurface Rights Category is not populated correctly ((SUBRT2 IS NOT NULL AND SUBRT2FLG IS NULL) OR (SUBRT2 IS NOT NULL AND SUBRT2PER IS NULL) OR (SUBRT2FLG IS NOT NULL AND SUBRT2 IS NULL) OR (SUBRT2FLG IS NOT NULL AND SUBRT2PER IS NULL) OR (SUBRT2PER IS NOT NULL AND SUBRT2 IS NULL) OR (SUBRT2PER IS NOT NULL AND SUBRT2FLG IS NULL)).
- This Subsurface Rights Category is not populated correctly ((SUBRT3 IS NOT NULL AND SUBRT3FLG IS NULL) OR (SUBRT3 IS NOT NULL AND SUBRT3PER IS NULL) OR (SUBRT3FLG IS NOT NULL AND SUBRT3 IS NULL) OR (SUBRT3FLG IS NOT NULL AND SUBRT3PER IS NULL) OR (SUBRT3PER IS NOT NULL AND SUBRT3 IS NULL) OR (SUBRT3PER IS NOT NULL AND SUBRT3FLG IS NULL)).
- This Subsurface Rights Category is not populated correctly ((SUBRT4 IS NOT NULL AND SUBRT4FLG IS NULL) OR (SUBRT4 IS NOT NULL AND SUBRT4PER IS NULL) OR (SUBRT4FLG IS NOT NULL AND SUBRT4 IS NULL) OR (SUBRT4FLG IS NOT NULL AND SUBRT4PER IS NULL) OR (SUBRT4PER IS NOT NULL AND SUBRT4 IS NULL) OR (SUBRT4PER IS NOT NULL AND SUBRT4FLG IS NULL)).
- This Subsurface Rights Category is not populated correctly ((SUBRT5 IS NOT NULL AND SUBRT5FLG IS NULL) OR (SUBRT5 IS NOT NULL AND SUBRT5PER IS NULL) OR (SUBRT5FLG IS NOT NULL AND SUBRT5 IS NULL) OR (SUBRT5FLG IS NOT NULL AND SUBRT5PER IS NULL) OR (SUBRT5PER IS NOT NULL AND SUBRT5 IS NULL) OR (SUBRT5PER IS NOT NULL AND SUBRT5FLG IS NULL)).
- This Subsurface Rights Category is not populated correctly ((SUBRT6 IS NOT NULL AND SUBRT6FLG IS NULL) OR (SUBRT6 IS NOT NULL AND SUBRT6PER IS NULL) OR (SUBRT6FLG IS NOT NULL AND SUBRT6 IS NULL) OR (SUBRT6FLG IS NOT NULL AND SUBRT6PER IS NULL) OR (SUBRT6PER IS NOT NULL AND SUBRT6 IS NULL) OR (SUBRT6PER IS NOT NULL AND SUBRT6FLG IS NULL)).
- MTP Subrights should be populated (CASETP <> '000008' AND SUBRT1 <> '001' AND MTPSUBRTS IS NULL).
- Sub Right 1 is All Min but there are other rights entered ((SUBRT1 = '900' AND SUBRT1PER = 100) AND SUBRT2 IS NOT NULL AND SUBRT2FLG <> 'E').
- CASETP = '000008' AND (ASSOCAGENCY <> 'BLM' OR KOE IS NOT NULL OR MTPNO IS NOT NULL OR MTPNOTP IS NOT NULL OR MTPSUBRTS IS NOT NULL OR SUBRT1 <> '900' OR SUBRT1FLG <> 'PD' OR SUBRT1PER <> 100).
- LR2K Link Field is null, this may not be an error (SERIALNOSF IS NOT NULL AND LR2KLINK IS NULL). Warning.

#### SURFCASELINE

- Surfcaseline MTP Number does not match the Serial Number (MTPNOTP = '1' AND MTPNO <> SERIALNOSF).
- The Linesource for this feature comes from BLM Corporate Data, this should most likely be "Verified" and not "Provisional" ((LINESOURCE LIKE '%GTRN%' OR LINESOURCE = 'BPA') AND PROVISIONAL = 'P').
- Use type is invalid ((MTPESMTTP IS NULL) OR (UPPER(KOE) LIKE '% RD%' AND UPPER(KOE) LIKE '% HWY%' AND MTPESMTTP <> 'Road') OR ((UPPER(KOE) LIKE '% TRAIL%' AND UPPER(KOE) NOT LIKE '%TRUCK%') AND MTPESMTTP <> 'Foottrail') OR (UPPER(KOE) LIKE '% FENCE%' AND MTPESMTTP <> 'Fence') OR (UPPER(KOE) LIKE '% TRANS LINE%' AND UPPER(KOE) LIKE '% COAXIAL%' AND MTPESMTTP <> 'Power') OR (UPPER(KOE) LIKE '% TEL LINE%' AND MTPESMTTP <> 'Telephone') OR (UPPER(KOE) LIKE '% TUNNEL%' AND

MTPESMTTP <> 'Tunnel') OR (UPPER(KOE) LIKE '% R/W SD BLM%' AND MTPESMTTP <> 'Stock Driveway') OR (UPPER(KOE) LIKE '% CANAL%' AND UPPER(KOE) LIKE '% DITCH%' AND MTPESMTTP <> 'Ditch') OR (UPPER(KOE) LIKE '% FIBER OPTIC%' AND MTPESMTTP <> 'Fiber-Optic') OR (UPPER(KOE) LIKE '% RR %' AND MTPESMTTP <> 'Railroad') OR (UPPER(KOE) LIKE '%TRUCK TRAIL%' AND MTPESMTTP <> 'Road')). Warning.

- Non-Linear segments shouldn't exist in verified Geometry (PROVISIONAL = 'V'). Warning.

#### SURFCASEPOLY

- State Grant Lands have the wrong Surface Case Classification ((DOCCAT = 'SG' OR DOCCAT= 'SG') AND SURFCLASS <> 'NFEDS').
- Pat does not match Surface Case Classification ((UPPER(KOE) LIKE '% PAT%' AND SURFCLASS <> 'NFEDO') AND (UPPER(KOE) NOT LIKE '%IND TR%' AND UPPER(KOE) NOT LIKE '%IND LIEU FEE%' AND UPPER(KOE) NOT LIKE '%IA TR%' AND UPPER(KOE) NOT LIKE '%IND FEE%' AND UPPER(KOE) NOT LIKE '%IND LIEU TR PAT%' AND UPPER(KOE) NOT LIKE '%IA FEE%' AND UPPER(KOE) NOT LIKE '%FRAC INT%' AND UPPER(KOE) NOT LIKE '%IND HE TR PAT%') OR (UPPER(KOE) LIKE '% PAT%' AND UPPER(KOE) LIKE '%IND TR%' AND UPPER(KOE) NOT LIKE '%IND LIEU FEE%' AND SURFCLASS <> 'INDTR') OR (UPPER(KOE) LIKE '% PAT%' AND UPPER(KOE) LIKE '%IA TR%' AND UPPER(KOE) NOT LIKE '%IND LIEU FEE%' AND SURFCLASS <> 'INDTR') OR (UPPER(KOE) LIKE '% PAT%' AND UPPER(KOE) NOT LIKE '%IND TR%' AND UPPER(KOE) LIKE '%IND LIEU FEE%' AND SURFCLASS <> 'NFEDI') OR (UPPER(KOE) LIKE '% IL%' AND UPPER(KOE) LIKE '%SS%' AND UPPER(KOE) LIKE '%SG ACT OF CONG%' AND SURFCLASS <> 'NFEDS') OR (UPPER(KOE) LIKE '% IL%' AND SURFCLASS <> 'AQDON'))
- This checks for nulls in the LR2K Link Table (LR2KLINK IS NULL AND CASETP <> '000008').
- MTP Number is a Serial Number but MTP Number Type does not match ((MTPNO IS NOT NULL AND MTPNO <> " AND MTPNO LIKE '%OR%' AND MTPNO LIKE '%WA%' AND MTPNOTP <> '1') OR (MTPNO IS NOT NULL AND MTPNO <> " AND MTPNO LIKE '%D%' AND MTPNO NOT LIKE '%FD%' AND MTPNO NOT LIKE '%TD%' AND MTPNOTP <> '2') OR (MTPNO IS NOT NULL AND MTPNO <> " AND KOE LIKE '%Pat%' AND MTPNOTP <> '3') OR (MTPNO IS NOT NULL AND MTPNO <> " AND MTPNOTP <> '4' AND (KOE LIKE '%SS %' OR KOE LIKE '%Act of Cong SG %' OR KOE LIKE '%IL %')) OR (MTPNO IS NOT NULL AND MTPNO <> " AND MTPNO LIKE '%/%' AND MTPNOTP <> '5') OR (MTPNO IS NOT NULL AND MTPNO <> " AND MTPNO LIKE '%LU%' AND MTPNOTP <> '6'))
- KOE doesn't Match MTP Action Text ((KOE LIKE '%SS%' AND MTPACTION <> 'SS') OR (KOE LIKE '%SG%' AND MTPACTION <> 'SG')).
- The Serial Number and the MTP Num do not match and the Num Type is Serial Number ((MTPNO <> SERIALNOSF) AND (MTPNOTP = '1')).
- This LR2000 Record should have Linked to LR2000 (LR2KLINK IS NULL AND CASETP <> '000008').
- The Act of Cong SG Date is wrong (KOE = 'Act of Cong SG' AND BEGINDATE <> date '1859-02-14' ).
- Surfcase Classification Indicates the need for an Associated agency but there isn't one ((( SURFCLASS LIKE 'PD%' OR SURFCLASS LIKE 'AQ%' OR SURFCLASS LIKE 'RC%' OR (SURFCLASS = 'INDTR' AND DOCCAT <> 'PA')) AND (ASSOCAGNCY IS NULL)) ).
- Feature Linked to Case Rec and Has a Populated DocCat, this is an error (DOCCAT IS NOT NULL AND LR2KLINK = 'CR').
- Record needs Associated Agency ((SURFCLASS LIKE 'NFED%') AND (ASSOCAGNCY IS NOT NULL)).
- MTP Number Type needs to be Populated (MTPNOTP IS NULL AND CASETP <> '000008').

- KOE Should Not be Null, Find the correct HI Record and populate this field ( KOE IS NULL AND (CASETP <> '000008' OR CASETP IS NULL AND MTPEXTRA NOT LIKE '%Juris%')).
- Recons need to match the "to US" KOE and Surfcase Classification, also the Associated Agency cannot be null (MTPACTION = 'Recon US' AND (((KOE NOT LIKE '%to US%' OR ASSOCAGENCY IS NULL AND NOT (SURFCLASS = 'PDREC' OR SURFCLASS = 'PDROC')))).
- For Indian Patents Case Type does not match Surface case (((DOCCAT = 'PA' AND SURFCLASS = 'INDTR' AND CASETPTXT NOT LIKE '%TRUST%' AND CASETPTXT NOT LIKE '%PARTITION%' AND CASETPTXT NOT LIKE '%LLOT-WYANDOTTE%') OR (DOCCAT = 'PA' AND SURFCLASS = 'NFEDI' AND CASETPTXT NOT LIKE '%FEE%')))).
- (CASETP = '000008' AND (ASSOCAGENCY <> 'BLM' OR KOE IS NOT NULL OR MTPSRFRS IS NOT NULL OR SERIALNO IS NOT NULL OR (SURFCLASS <> 'PDVAC' AND SURFCLASS <> 'PDREV' AND SURFCLASS <> 'PDRLT') OR SRFR1 <> '930' OR SRFR1PER <> 100 ))
- (((SURFCLASS = 'NFEDI' AND UPPER (KOE) NOT LIKE '% FEE%' ) AND (SURFCLASS = 'NFEDI' AND UPPER (KOE) NOT LIKE '%QCD%' ) OR (SURFCLASS = 'INDTR' AND (UPPER (KOE) NOT LIKE '% TR%' AND UPPER(KOE) NOT LIKE '%TRUST%' AND UPPER(MTPEXTRA) NOT LIKE '%TRUST%' OR UPPER(KOE) LIKE '%FEE%' )))).
- "D/C" is a Surface Right but Surface right 1 is not '942' (MTPSRFRS = 'D/C' AND SRFR1 <> '942').
- Surface Right One Indicates "D/C" should be in MTP Surface Rights but it is not (SRFR1 = '942' AND MTPSRFRS NOT LIKE '%D/C%').
- MTP Surf rights are null but the Features Surf Rights are populated (MTPSRFRS = 'NULL' AND (SRFR1 <> '001' OR SRFR2 <> 'NULL' OR SRFR3 <> 'NULL' OR SRFR4 <> 'NULL' OR SRFR5 <> 'NULL' OR SRFRTOH <> 'NULL' )).
- "R/W" is in the MTP Surf Right Column but not in the SurfRight OTH Column ((SRFRTOH = 'Right-of-Way' AND MTPSRFRS NOT LIKE '%R/W%') OR (SRFRTOH = 'Easement' AND MTPSRFRS NOT LIKE '%Esmt%') OR (SRFRTOH = 'Range Improvement' AND MTPSRFRS NOT LIKE '%RI%')).
- SurfRights Other does not match the MTP Surface Rights ((SRFRTOH IS NULL AND (MTPSRFRS LIKE '%R/W%' OR MTPSRFRS LIKE '%RI%' OR MTPSRFRS LIKE '%D/C R/W%' OR MTPSRFRS LIKE '%D/C RI%' OR MTPSRFRS LIKE '%D/C Esmt%'))). Warning.
- The Surface right 1 Percentage is not 100% (SRFR1 IS NOT NULL AND SRFR1PER <> 100). Warning.
- Either Surf right 1 is null and SurfRight2 is populated or the Surf right 2 is not 100% ((SRFR1 IS NULL AND SRFR2 IS NOT NULL) OR SRFR2PER <> 100). Warning.
- Either Surf right 1 or 2 is null and SurfRight3 is populated or the Surf right 3 is not 100% (((SRFR1 IS NULL OR SRFR2 IS NULL) AND SRFR3 IS NOT NULL) OR SRFR3PER <> 100). Warning.
- Either Surf right 1, 2 or 3 is null and SurfRight4 is populated or the Surf right 4 is not 100% (((SRFR1 IS NULL OR SRFR2 IS NULL OR SRFR3 IS NULL) AND SRFR4 IS NOT NULL) OR SRFR4PER <> 100). Warning.
- Either Surf right 1, 2, 3 or 4 is null and SurfRight5 is populated or the Surf right 5 is not 100% (SRFR5 IS NOT NULL AND SRFR1PER <> 100). Warning.
- Surfright is populated but the flag is not flipped (SRFR5 <> 'NULL' AND SRFR5FLG IS NULL). Warning.
- Surfright is populated but the flag is not flipped (SRFR4 <> 'NULL' AND SRFR4FLG IS NULL). Warning.
- Surfright is populated but the flag is not flipped (SRFR3 <> 'NULL' AND SRFR3FLG IS NULL).

Warning.

HI

- Change the "FS" entry to "USFS" (KOE LIKE '% FS%' OR REMARKS LIKE '% FS%').
- This SHRE doesn't have All min PD (KOE LIKE '%SHRE Pat%' AND NOT (REMARKS LIKE '%All Min PD%')).
- There is a Date in the MTP Number Column (MTPNUM LIKE '%/%' AND MTPNUM NOT LIKE '% 1/2%').
- PL 167 needs the correct Restrictions in the Remarks Column, Or resertrictions need to be the 1st item listed in the remarks (KOE LIKE 'PL 167' AND REMARKS NOT LIKE 'Cmplx Surf%').
- The Serial Number in the Remarks does not match the Serial Number Suffix Field (('KOE' LIKE '%Pat%' OR 'KOE' LIKE 'IL' ) AND 'REMARKS' NOT LIKE (CONCAT('%',(CONCAT("SERIALNOSF", '%')))). Warning.
- Error in the Syntax of the Remarks Rights for Patents (('KOE' LIKE '%Pat%') AND ('REMARKS' NOT LIKE '%Canc%' AND 'REMARKS' NOT LIKE 'D/C; %' AND 'REMARKS' NOT LIKE 'No Res%' AND 'REMARKS' NOT LIKE 'D/C, All Min PD; %' AND 'REMARKS' NOT LIKE 'D/C, OG PD; %' AND 'REMARKS' NOT LIKE 'D/C, Uranium, Thorium and other fissionable materials PD; %' AND 'REMARKS' NOT LIKE 'D/C, R/W; %' AND 'REMARKS' NOT LIKE 'D/C, FPA;%' AND 'REMARKS' NOT LIKE 'D/C, Min Rights Vary, See MTP or Doc;%' AND 'REMARKS' NOT LIKE 'D/C, R/W, OG, Geo PD;%' AND 'REMARKS' NOT LIKE 'D/C, Uranium, Thorium, and other fissionable material PD%' AND 'REMARKS' NOT LIKE 'D/C, Esmt;%' AND 'REMARKS' NOT LIKE 'D/C, Esmt, OG PD;%' AND 'REMARKS' NOT LIKE 'D/C, FPA, ALL Min PD%' AND 'REMARKS' NOT LIKE 'D/C, Geo PD; %' AND 'REMARKS' NOT LIKE 'D/C, Leasable Min PD;%' AND 'REMARKS' NOT LIKE 'D/C, OG, Geo PD; %' AND 'REMARKS' NOT LIKE 'D/C, R/W, Esmt; %' AND 'REMARKS' NOT LIKE 'D/C, R/W, FPA, Uranium, Thorium and other fissionable materials PD; %' AND 'REMARKS' NOT LIKE 'D/C, R/W, OG PD; %' AND 'REMARKS' NOT LIKE 'D/C, R/W, Uranium, Thorium and other fissionable materials PD; %' AND 'REMARKS' NOT LIKE 'D/C, RI; %' AND 'REMARKS' NOT LIKE 'D/C Tmb; %' AND 'REMARKS' NOT LIKE '%Term%' AND 'REMARKS' NOT LIKE 'R/W; %' AND 'REMARKS' NOT LIKE 'Surf and Min rights Vary, See MTP or Doc; %' AND 'REMARKS' NOT LIKE 'Surf Rights Vary, See MTP or Doc%' AND 'REMARKS' NOT LIKE 'D/C, R/W, All Min PD;%' AND 'REMARKS' NOT LIKE 'Min Only; %')). Warning.
- Old format Serial Number, new Available (Update) (('MTPNUM' LIKE 'B %' OR 'MTPNUM' LIKE 'L %' OR 'MTPNUM' LIKE 'LG %' OR 'MTPNUM' LIKE 'P %' OR 'MTPNUM' LIKE 'R %' OR 'MTPNUM' LIKE 'TD %' OR 'MTPNUM' LIKE 'V %' OR 'MTPNUM' LIKE 'OR %' OR 'MTPNUM' LIKE 'C %') AND 'SERIALNOSF' IS NOT NULL). Warning.
- Exchanges do not match casetype, review for correction (('CASEPTXT' LIKE 'EX-STATE%' AND 'KOE' NOT LIKE '%SX%')OR ('CASEPTXT' LIKE 'EX-PRIVATE%' AND 'KOE' NOT LIKE '%PX%') OR ('CASEPTXT' LIKE 'EX-FS%' AND 'KOE' NOT LIKE '%FX%') OR ('CASEPTXT' LIKE 'EX-NATL FOR%' AND 'KOE' NOT LIKE '%FLS%') OR ('CASEPTXT' LIKE 'EX- O & C%' AND 'KOE' NOT LIKE '%O&C%')) AND NOT ('KOE' LIKE '%to US%' OR 'KOE' LIKE '%from US%')). Warning.
- "Corrected" "Correction" or "Curative" Appear in the HI record, confirm that this can be changed to "Cur" (KOE LIKE '%Correction%' OR KOE LIKE '%Curative%' OR OTHDESC LIKE '%Correction%' OR OTHDESC LIKE '%Curative%' OR REMARKS LIKE '%Correction%' OR REMARKS LIKE '%Curative%' OR REMARKS LIKE '%Corrected%'). Warning.
- There is a Comma in the KOE, this would mean that two entries have been combined. If either of the cases are still active you need to split this into seperate HI entries (((KOE LIKE '%, %' AND NOT (REMARKS LIKE '%Canc%' OR REMARKS LIKE '%Term%' OR KOE LIKE '%R/W%')) AND SERIALNOSF IS NOT NULL) AND (KOE NOT LIKE '% to %' AND KOE NOT LIKE '% NF%')). Warning.



## 10 Abbreviations and Acronyms

Does not include abbreviations/acronyms used as codes for data attributes or domain values.

**Table 2** Abbreviations/Acronyms Used

Abbreviations	Descriptions
ARC	GIS line feature
BLM	Bureau of Land Management, U.S. Department of the Interior
CADNSDI	Cadastral National Spatial Data Infrastructure
DEM	Digital Elevation Model
DLG	Digital Line Graphs
FOIA	Freedom of Information Act
FOIVEG	Forest Operations Inventory
GIS	Geographic Information System
GNIS	Geographic Names Information System
GPS	Global Positioning System
GTRN	Ground Transportation GIS dataset
IDP	Interdisciplinary
NAD	North American Datum
NARA	National Archives and Records Administration
NEPA	National Environmental Policy Act
ODF	Oregon Data Framework
OR/WA	Oregon/Washington BLM Administrative State
PLSS	Public Land Survey System
POLY	GIS polygon feature
PUB	Publication
RMP	Resource Management Plan
USFS	United States Forest Service, U.S. Department of Agriculture
USGS	United States Geological Survey, U.S. Department of the Interior
SDE	Spatial Database Engine
WEB	Worldwide Web (internet)
WODDB	Western Oregon Digital Database

## A Domains (Valid Values)

These are the domains at the time the data standard was approved. Domains can be changed without a re-issue of the data standard. Current domains are found on the internal OR/WA SharePoint data management page. Some of the domains used in this data standard are also available at the following web site:

<http://www.blm.gov/or/datamanagement/index.php>

For domains not listed at that site contact: contact the [State Data Administrator](#).

### A.1 dom\_COORD\_SRC

**Coordinate Source Code.** The source of the geographic coordinates (lines, points, polygons).

Code	Description
CADNSDI	CADNSDI - Lines from or snapped to the CADNSDI dataset
CFF	CFF - Lines duplicated or buffered from Cartographic Feature Files (USFS)
DEM	DEM - Digital Elevation Model (30m or better accuracy) used for creation of contours
DGPS	DGPS - Feature obtained from a Global Positioning System device with Real Time Correction (SBAS)
DIS	DIS - Lines generated to connect discontinuous features
DLG	DLG - Lines duplicated or buffered from (24K scale accuracy) USGS Digital Line Graphs
DOQ	DOQ - Screen digitized linework over digital orthophotography backdrop (DOQ, NAIP, OSIP, or others)
DRG	DRG - Screen digitized linework over Digital Raster Graphic backdrop
GCD	GCD - Lines snapped to Geographic Coordinate Database Points
GPS	GPS - Lines obtained from a Global Positioning System device
IMG	IMG - Linework derived from interpretation of satellite or other non-photographic imagery
LiDAR	LiDAR - LiDAR points, lines, or polygons generated through interpretation or analysis.
MAP	MAP - Digitized coordinates from hardcopy map or onto a map backdrop
MTP	MTP - Lines duplicated from Digital Master Title Plat
SOURCEL	SOURCEL - Coordinates duplicated from a BLM GIS source layer.
SOURCEX	SOURCEX - Source Layer from non-BLM GIS
SRV	SRV - Survey methods were used to create the linework (e.g., COGO)
TIGER	TIGER - Tiger Data
TRS	TRS - Coordinates only given as a legal description (township, range, section)
UNK	UNK - Unknown coordinate source
WOD	WOD - WODDB Photogrammetric

## A.2 dom\_FED\_AGENCY

**Associated Federal Agency Code.** Federal agency name and acronym used to identify agency.

Code	Description
AEC	AEC - Atomic Energy Commission
ARS	ARS - Agricultural Research Service
BIA	BIA - Bureau of Indian Affairs
BLM	BLM - Bureau of Land Management
BPA	BPA - Bonneville Power Administration
BR	BR - Bureau of Reclamation
COE	COE - Corps of Engineers
DOA	DOA - Department of the Army
DOC	DOC - Department of Commerce
DOD	DOD - Department of Defense
DOE	DOE - Department of Energy
DOL	DOL - Department of Labor
DON	DON - Department of the Navy
DOT	DOT - Department of Transportation
EPA	EPA - Environmental Protection Agency
FAA	FAA - Federal Aviation Administration
FEMA	FEMA - Federal Emergency Management Agency
FERC	FERC - Federal Energy Regulatory Commission
FHA	FHA - Federal Highway Administration
FWS	FWS - Fish and Wildlife Service
GSA	GSA - General Services Administration
NASA	NASA - National Aeronautics and Space Administration
NOAA	NOAA - National Oceanic and Atmospheric Administration
NPS	NPS - National Park Service
NRC	NRC - Nuclear Regulatory Commission
NWS	NWS - National Weather Service
USAF	USAF - United States Air Force
USCG	USCG - United States Coast Guard
USDA	USDA - United States Department of Agriculture
USFA	USFA - United States Fire Administration
USFS	USFS - U.S. Forest Service
USGS	USGS - United States Geological Survey
USMC	USMC - United States Marine Corps

### A.3 dom\_MTP\_ACTION

**MTP Action Text.** Text to be displayed on the Master Title Plat conveying additional information about the type of surface estate action.

Code	Description
Recon US	Recon US
WD US	WD US
WD from US	WD from US
Deed US	Deed US
Deed from US	Deed from US
QCD US	QCD US
QCD from US	QCD from US
SG	SG
SS	SS
IL	IL
FL	FL
Esmt US	Esmt US
Scenic Esmt US	Scenic Esmt US
Cons Esmt US	Cons Esmt US
Rec Esmt US	Rec Esmt US
Prot Esmt US	Prot Esmt US
Esmt from US	Esmt from US
Trf Juris	Trf Juris
Res R/W Other	Res R/W Other
Arpt Esmt	Arpt Esmt
QC Esmt US	QC Esmt US
Trust WD US	Trust WD US
Don Deed US	Donation Deed US
Condemn US	Condemn US
Frac Int Pat	Frac Int Pat
Rcpl Agmt US	Rcpl Agmt US
Dsclmr of Int	Disclaimer of Int from US
Condemn Deed US	Condemn Deed US
Tmb Only	Tmb Only
R/W Per to US	R/W Per to US
Frac Int Trust WD US	Frac Int Trust WD US

## A.4 dom\_MTP\_AUTHUSE\_COMMODITY

**MTP Authorized Use Commodity Code.** Commodity for Authorized Use polygon features.

Code	Description
881	881-Sanitary Landfill

## A.5 dom\_MTP\_AUTHUSE\_LINETYPE

**MTP Authorized Use Line Type Code.** The type of authorized use or line type feature.

Code	Description
Ditch	Ditch
Fence	Fence
Foottrail	Foot trail
Pipeline	Pipeline
Power	Power
Railroad	Railroad
Road	Road
Telegraph	Telegraph
Telephone	Telephone
Tunnel	Tunnel
Dam	Dam
Stock Driveway	Stock Driveway
OHV Road	OHV Road
Fiber-Optic	Fiber-Optic
Bridge	Bridge
FishCable	Fish Cable
Airstrip	Airstrip

## A.6 dom\_MTP\_AUTHUSE\_POLYTYPE

**MTP Authorized Use Polygon Type Code.** The type of authorized use polygon type feature.

Code	Description
CommSite	Communication Site
GPSBS	GPS Base Station
MatSite	Material Site
OGCompt	OG Compt
OGLse	OG Lease
Reservoir	Reservoir

Code	Description
RPP	R and PP
R/W Other	R/W Other
SLUP	Special Lease Use Permit
STLse	ST Lease
Airstrip	Airstrip
GeoLse	Geo Lease
GaugeSite	Gauge Site
WeatherSta	Weather Station
ImprovedSpring	Improved Spring
SurveyControlPoints	Survey Control Points
SpringBox	Spring Box
HoldingTank	Holding/Storage Tank
RIReservoir	RI Reservoir
Corral	Corral
Pit	Pit
Airport Lse	Airport Lse
Substation	Substation
WindEnergy	Wind Energy Site
Repl Per	Repl Per
R/W Hwy	R/W Hwy
FUP	Free Use Permit
LUP	Land Use Permit

## A.7 dom\_MTP\_DOC\_CAT

**MTP Document Category Code.** The type of document associated with the action.

Code	Description
AC	AC - ACT OF CONGRESS
BO	BO - BLM ORDER
BS	BS - BARGAIN AND SALE DEED
CD	CD - CONDEMNATION DEED
CO	CO - CLASS DECISION/ORDER
DD	DD
DT	DT - DECLARATION OF TAKING
ED	ED - EASEMENT DEED
EO	EO - EXECUTIVE ORDER

Code	Description
GL	GL - GLO ORDER
GS	GS - USGS ORDER
IL	IL - INDEM LIEU SEL
LS	LS - LIEU SELECTION
MD	MD - MISSING DOCUMENT
OO	OO - OTHER ORDER
PA	PA - PATENT
PL	PL - PUBLIC LAW
PO	PO - PUBLIC LAND ORDER
PP	PP - PRES PROCLAMATION
QC	QC - QUIT CLAIM DEED
SD	SD - STATE DIR ORDER
SG	SG - STATE GRANT
SO	SO - SEC ORDER
SS	SS - STATE SELECTION
UD	UD - UNSPECIFIED DEED
WD	WD - WARRANTY DEED
XD	XD - EXCHANGE DEED
FP	FP - FPC ORDER
FE	FE - FERC ORDER
AO	AO - ADMINISTRATIVE ORDER
BR	BR - BOR ORDER
FO	FO - USFS ORDER

## A.8 dom\_MTP\_EDITOR

**MTP Editor Names.** Name of the editor that most recently edited the Master Title Plat. This domain has been redacted since it contains individual names.

## A.9 dom\_MTP\_EXCEPTION

**MTP Exception Code.** Indicates an exception to rights reserved to the United States.

Code	Description
E	E - Exception

## A.10 dom\_MTP\_FRACTION

**MTP Fraction Code.** Contains information regarding fractional values for Townships and Ranges.

Code	Description
0	0
1	¼
2	½
3	¾
0	0

## A.11 dom\_MTP\_LINE\_SOURCE

**MTP Line Source Code.** Describes the source of line features.

Code	Description
BPA	BPA
GTRN	GTRN
MTP	MTP
NAIP	NAIP
EXHIBIT MAP	EXHIBIT MAP
OSO	OR STATE OFFICE
DISTRICT	DISTRICT
EXTERNAL SOURCE	EXTERNAL SOURCE
ESMTROW	ESMTROW

## A.12 dom\_MTP\_LINE\_TYPE

**MTP Cartographic Line Type Code.** The type of line used for cartographic purposes.

Code	Description
Arrow	Arrow
County	County
District	District
Lease	Lease
PatentPatch	Patent Patch
SurveyWt	Survey Weight
SurveyWt50	Survey Weight 50 (Gray)
Water	Water
Withdrawal	Withdrawal
Double Patent	Double Patent
UP	Unsurveyed Protracted Line
Pipeline	Pipeline



Code	Description
SUPP_Arrow	Supplemental Arrow
SUPP_County	Supplemental County
SUPP_District	Supplemental District
SUPP_Lease	Supplemental Lease
SUPP_PatentPatch	Supplemental Patent Patch
SUPP_SurveyWt	Supplemental Survey Weight
SUPP_SurveyWt50	Supplemental Survey Weight 50 (Gray)
SUPP_Water	Supplemental Water
SUPP_Withdrawal	Supplemental Withdrawal
SUPP_Double Patent	Supplemental Double Patent
SUPP_UP	Supplemental Unsurveyed Protracted Line
SUPP_Pipeline	Supplemental Pipeline

### A.13 dom\_MTP\_LR2000\_LINK

**MTP LR2000 Link Code.** Indicates whether the case information is in Case Recordation, Status or both.

Code	Description
CR	CR - Case Recordation
ST	ST - Status
CS	CS - Both

### A.14 dom\_MTP\_MAP\_DATUM

**MTP Map Datum Code.** This domain is used to display the datum used on the Master Title Plat in the MTP Data Box.

Code	Description
NAD83	NAD83

### A.15 dom\_MTP\_MAP\_PRJ

**MTP Map Projection Code.** This domain is used to display the projection used on the Master Title Plat in the MTP Data Box.

Code	Description
UTM10	UTM10
UTM11	UTM11

## A.16 dom\_MTP\_MIN\_ONLY

**MTP Mineral Only Code.** Indicates that the case affects Mineral rights reserved to the United States only. There is no influence upon the Surface Estate.

Code	Description
Min Only	Min Only
Coal Only	Coal Only

## A.17 dom\_MTP\_NUM\_TYPE

**MTP Number Type Code.** Describes the type of number to be displayed on the Master Title Plat for each feature. This value is used as part the rules governing annotation.

Code	Description
0	0 - None
1	1 - Serial
2	2 - Deed
3	3 - Patent
4	4 - List
5	5 - Date
6	6 - Other

## A.18 dom\_MTP\_PLSS\_SRV\_STTS

**MTP Public Land Survey System Survey Status Code.** The Survey status for the associated township. i.e., Surveyed, Unsurveyed, or Partially Surveyed.

Code	Description
SURV	SURVEYED
PARTSURV	PARTIALLY SURVEYED
UNSURV	UNSURVEYED
UNOFF	UNOFFICIAL

## A.19 dom\_MTP\_POLY\_TYPE

**MTP Carto Polygon Type Code.** The type of polygon used for cartographic purposes.

Code	Description
WHITEOUT	WHITEOUT
BLACKOUT	BLACKOUT
PATENT	PATENT
SURVWT	SURVEY WEIGHT

Code	Description
UNSURVEYED	UNSURVEYED
PB	PROTRACTION BLOCK
OC	O & C LAND
SUPPMASK	SUPPLEMENTAL MASK
SUPPWHITEOUT	SUPPLEMENTAL WHITEOUT
SUPPBLACKOUT	SUPPLEMENTAL BLACKOUT
SUPPPATENT	SUPPLEMENTAL PATENT
SUPPSURVWT	SUPPLEMENTAL SURVEY WEIGHT
SUPPUNSURVEYED	SUPPLEMENTAL UNSURVEYED
SUPPPB	SUPPLEMENTAL PROTRACTION BLOCK
SUPPOC	SUPPLEMENTAL O & C LAND
ACQUIRED	ACQUIRED
SUPPACQUIRED	SUPPACQUIRED
MASK	MASK

## A.20 dom\_MTP\_PRIN\_MER

**MTP Principal Meridian Code.** The principal meridian, or survey reference line of longitude, used for Master Title Plat source geometry.

Code	Description
Willamette Meridian	WILLAMETTE MERIDIAN

## A.21 dom\_MTP\_PRIN\_MER\_NUM

**MTP Principal Meridian Numeric Code.** The numeric code used as a label for the Willamette Meridian.

Code	Description
33	Will Mer

## A.22 dom\_MTP\_PROVISIONAL

**MTP Provisional Code.** Used to identify features created using verified sources as opposed to those that are created using unverified methods such as digitizing.

Code	Description
P	P - Provisional
V	V - Verified
T	T - Temp

## A.23 dom\_MTP\_REPRULE\_AUTHUSE\_LINE

**MTP Authorized Use Line Feature Representation Rules Code.** Representation rule identifier that corresponds to the symbol for Authorized Use Line features.

Code	Description
1	<all other values>
17	Airstrip
13	Bridge
2	Dam
3	Ditch
4	Fence
5	Fiber-Optic
14	Fish Cable
6	Foot trail
15	OHV Road
7	Pipeline
8	Power
9	Railroad
10	Road
18	Stock Driveway
16	Telegraph
11	Telephone
12	Tunnel
-1	Free Representation

## A.24 dom\_MTP\_REPRULE\_AUTHUSE\_POLY

**MTP Authorized Use Polygon Feature Representation Rules Code.** Representation rule identifier that corresponds to the symbol for Authorized Use Polygonal features.

Code	Description
1	<all other values>
13	Air Strip
23	Airport Lease
8	Communication Site
21	Corral
12	Gauging Station
15	Geo Lease
19	Holding Tank

Code	Description
16	Improved Spring
3	Material Site
6	OG Compt
7	OG Lease
22	Pit
4	R and PP
20	RI Reservoir
10	Reservoir
2	R/W Other
5	Special Lease Use Permit
18	Spring Box
9	Substation
17	Survey Control Points
11	Weather Station
24	Wind Energy S
27	Free Use Permit
25	GPS Sta
26	Rcpl Per
28	Land Use Permit
-1	Free Representation

## A.25 dom\_MTP\_REPRULE\_CARTO\_POLY

**MTP Carto Polygon Feature Representation Rules Code.** Representation rule identifier that corresponds to the symbol for Carto polygon features.

Code	Description
1	<all other values>
10	ACQUIRED
2	SURVEY WEIGHT
3	PATENT
4	BLACKOUT
5	WHITEOUT
7	UNSURVEYED
8	O & C LANDS
9	SUPPLEMENTAL MASK
12	SUPPLEMENTAL WHITEOUT

Code	Description
13	SUPPLEMENTAL BLACKOUT
14	SUPPLEMENTAL PATENT
15	SUPPLEMENTAL SURVEY WT
16	SUPPLEMENTAL UNSURVEYED
17	SUPPLEMENTAL OC
11	SUPPLEMENTAL ACQUIRED
-1	Free Representation

## A.26 dom\_MTP\_REPRULE\_SEG

**MTP Segregation Representation Rules Code.** Representation rule identifier that corresponds to the symbol for Segregation features.

Code	Description
1	<all other values>
2	Withdrawal, <Null>
3	Classification, <Null>
4	Classification O and C, <Null>
5	Determination, <Null>
6	Transfer Juris, <Null>
14	Transfer Juris O&C
7	TransferJuris, REALPROP
8	PendingAQ, <Null>
9	Temporary Segregation, XAPLN-Exchange Application
10	Temporary Segregation, OTHAPLN-Other Application
11	Temporary Segregation, PROPWDL-Proposed Withdrawals
12	Temporary Segregation, DSGNTN-Designation
13	Temporary Segregation, NORA-Notice of Realty Action
-1	Free Representation

## A.27 dom\_MTP\_REPRULE\_SUBCASE\_POLY

**MTP Subsurface Polygon Representation Rules Code.** Representation rule identifier that corresponds to the symbol for Subsurface features.

Code	Description
1	<all other values>
2	Survey Weight
3	<Null>

Code	Description
4	Coal Only
5	OG Only
6	Min Only
-1	Free Representation

## A.28 dom\_MTP\_REPRULE\_SURFCASE\_LINE

**MTP Surface Case Line Representation Rules Code.** Representation rule identifier that corresponds to the symbol for Surface case line features.

Code	Description
1	<all other values>
2	Ditch
3	Fence
4	Foottrail
5	Pipeline
6	Power
7	Railroad
8	Road
9	Telephone
10	Tunnel
-1	Free Representation

## A.29 dom\_MTP\_REPRULE\_SURFCASE\_POLY1

**MTP Surface Case Polygon Representation Rules 1 Code.** Representation rule identifier that corresponds to the symbol for Surface case polygon features.

Code	Description
1	<all other values>
18	AQDON - AQ Donation
2	AQJUR - AQ Juris
3	AQOTH - AQ Other
4	AQLUP - AQ Land Utilization
5	AQLWC - AQ LWCF
20	AQREC - AQ Reconveyed
6	AQRLT - AQ Relicted
15	INDTR - INDTR-Indian Trust
16	NFEDI - NF Indian Fee

Code	Description
7	NFEDO - NF Other
8	NFEDS - NF Historical State
9	PDREC - PD Reconveyed
10	PDRCB - PD Recon CB
11	PDROC - PD Recon O and C
12	PDVAC - PD Vacant
13	PDREV - PD Reverted
17	PDRLT - PD Relicted
14	RCRLT - Recon Relicted
19	PDCB - PD Coos Bay
-1	Free Representation

### A.30 dom\_MTP\_REPRULE\_SURFCASE\_POLY2

**MTP Surface Case Polygon Representation Rules 2 Code.** Secondary representation rule identifier that corresponds to the symbol for easement or reserved right of way Surface case polygon features.

Code	Description
1	<all other values>
2	Arpt Esmt, <Null>
3	Cons Esmt US, AQOTH-AQ Other
4	Esmt US, AQOTH-AQ Other
5	Esmt US, <Null>
6	Prot Esmt US, <Null>
7	Rcpl Agmt US, <Null>
8	Rec Esmt US, <Null>
9	Res R/W Other, <Null>
10	Scenic Esmt US, AQOTH-AQ Other
11	QC Esmt US, AQOTH-AQ Other
12	Esmt from US, <Null>
-1	Free Representation

### A.31 dom\_MTP\_RGT1\_FLAG

**MTP Subsurface Rights 1 Flag Code.** An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.



Code	Description
PD	PD - Public Domain
AQ	AQ - Acquired
E	E - Exception
UD	UD - Undetermined
TR	TR - Trust

### A.32 dom\_MTP\_RGT2\_FLAG

**MTP Subsurface Rights 2 Flag Code.** An indicator that describes that the subsurface right mentioned was reserved to the U.S. with Public Domain (PD) qualities or Acquired (AQ) qualities, among others. If multiple rights are mentioned, then it is possible to have exceptions.

Code	Description
PD	PD - Public Domain
AQ	AQ - Acquired
PE	PE - Public Domain Exception
AE	AE - Acquired Exception
E	E - Exception
UD	UD - Undetermined
TR	TR - Trust

### A.33 dom\_MTP\_RNG\_DIR

**MTP Range Direction Code.** The Range Direction to be displayed on the Master Title Plat, either East or West.

Code	Description
E	EAST
W	WEST

### A.34 dom\_MTP\_SEG\_AUTH

**MTP Segregation Authority Code.** Legal authority for segregative action.

Code	Description
PL 167	PL 167

### A.35 dom\_MTP\_SEG\_CAT

**MTP Segregation Category Code.** The type of segregation (e.g., withdrawals, classifications, determinations).

Code	Description
Withdrawal	Withdrawal
Classification	Classification
Determination	Determination
TempSegregation	Temporary Segregation
TransferJuris	Transfer Juris
TransferJurisOC	Transfer Juris O and C
ClassOC	Classification O and C
PendingAQ	Pending Acquisition

### A.36 dom\_MTP\_SEG\_SUB\_CAT

**MTP Segregation Subcategory Code.** The subcategory of temporary withdrawals (found in SEGCAT). This includes exchange applications, proposed withdrawals, and Notice of Realty Actions (NORA).

Code	Description
XAPLN	XAPLN - Exchange Application
OTHAPLN	OTHAPLN - Other Application
PROPWDL	PROPWDL - Proposed Withdrawals
NORA	NORA - Notice of Realty Action
DSGNTN	DSGNTN - Designation
REALPROP	REALPROP - Real Property

### A.37 dom\_MTP\_STATE

**MTP State Code.** The state in which the township resides.

Code	Description
OR	OREGON
WA	WASHINGTON

### A.38 dom\_MTP\_SUB\_RGT\_RESTRI1

**MTP Subsurface Right Restrictions 1 Code.** Subsurface restrictions such as Not Open to Subsurface (NOSS) or Not Open to Leasing (NOL).

Code	Description
NOSS	NOSS - Not Open to Subsurface
NON	NON - No Federal Restrictions
NOL	NOL - Not open to Leasing
NOM	NOM - Not open to Mining Location

Code	Description
NOSM	NOSM - Not open to Saleable Minerals
NONM	NONM - Not open to Non-Metalliferous
PL359	PL359 - Subject to PL 359
GOC	GOC - Complex Geothermal
NOG	NOG - Not open to Geothermal
COM	COM - Complex Restrictions, see doc.
COML	COML - Complex Leasing, see doc.
COMM	COMM - Complex Locatable, see doc.
COMSM	COMSM - Complex Salable, see doc.
RST	RST - Restricted Segregation
RSTL	RST - Restricted Leasing
RSTM	RST - Restricted Locatable
RSTSM	RST - Restricted Salable
UNDET	UNDET - Undetermined

### A.39 dom\_MTP\_SUB\_RGT\_RESTR2

**MTP Subsurface Right Restrictions 2 Code.** Secondary Subsurface restrictions.

Code	Description
NOL	NOL - Not open to Leasing
NOM	NOM - Not open to Mining Location
NOSM	NOSM - Not open to Saleable Minerals
NONM	NONM - Not open to Non-Metalliferous
PL359	PL359 - Subject to PL 359
GOC	GOC - Complex Geothermal
NOG	NOG - Not open to Geothermal
COML	COML - Complex Leasing, see doc.
COMM	COMM - Complex Locatable, see doc.
COMSM	COMSM - Complex Salable, see doc.
RSTL	RSTL - Restricted Leasing
RSTM	RSTM - Restricted Locatable
RSTSM	RSTSM - Restricted Salable

### A.40 dom\_MTP\_SUB\_RGT1

**MTP Subsurface Rights 1 Code.** Subsurface rights reserved to the United States.

Code	Description
001	001 - NONE
130	130 - CLAY
140	140 - COAL
459	459 - OIL AND GAS
461	461 - PHOSPHATE
480	480 - POTASH,POTASSIUM
520	520 - SAND AND GRAVEL
550	550 - SODIUM
560	560 - STONE
610	610 - THORIUM
651	651 - URANIUM AND OTHER FISSIONABLE MATERIALS
770	770 - GEOTHERMAL
890	890 - SOIL/OTHER
900	900 - ALL MINERALS
910	910 - ALL LEASEABLE MIN.
911	911 - ALL LOCATEABLE MIN.
912	912 - ALL SALEABLE MIN.
947	947 - COMPLEX RESERVAT/SEGR
948	948 - FED. PWR ACT, SEC. 24
960	960 - REVERSION CLAUSE EXISTS
994	994 - DOC CONTAINS DATA ERROR
995	995 - US SUBSURF/MIN RGTS UNK
997	997 - MISSING DOC/ILLEGIB DATA
920	920 - OTHER LEASABLE MIN
380	380 - MERCURY
580	580 - SULFUR

## A.41 dom\_MTP\_SUB\_RGT2

**MTP Subsurface Rights 2 Code.** Secondary Subsurface rights reserved to the United States

Code	Description
130	130 - CLAY
140	140 - COAL
459	459 - OIL AND GAS
461	461 - PHOSPHATE
480	480 - POTASH,POTASSIUM

Code	Description
520	520 - SAND AND GRAVEL
550	550 - SODIUM
560	560 - STONE
610	610 - THORIUM
651	651 - URANIUM AND OTHER FISSIONABLE MATERIALS
770	770 - GEOTHERMAL
890	890 - SOIL/OTHER
910	910 - ALL LEASEABLE MIN.
911	911 - ALL LOCATEABLE MIN.
912	912 - ALL SALEABLE MIN.
948	948 - FED. PWR ACT, SEC. 24
960	960 - REVERSION CLAUSE EXISTS
923	923 - METALLIFEROUS MINS
936	936 - RESTRICTED SURFACE USE
380	380 - MERCURY
580	580 - SULFUR
565	565 - STONE,SPECIALTY
135	135 - CLAY, BENTONITE

## A.42 dom\_MTP\_SURF\_RGT\_CLS

**MTP Surface Right Classification Code.** The action's land status classification.

Code	Description
PDVAC	PDVAC - PD Vacant
PDREC	PDREC - PD Reconveyed
PDREV	PDREV - PD Reverted
PDRLT	PDRLT - PD Relicted
PDOC	PDOC - PD O and C
PDCB	PDCB - PD Coos Bay
PDROC	PDROC - PD Recon O and C
PDRCB	PDRCB - PD Recon CB
AQREC	AQREC - AQ Reconveyed
AQLWC	AQLWC - AQ LWCF
AQLUP	AQLUP - AQ Land Utilization
AQRLT	AQRLT - AQ Relicted
AQOTH	AQOTH - AQ Other

Code	Description
RCRLT	RCRLT - Recon Relicted
NFEDO	NFEDO - NF Other
NFEDS	NFEDS - NF Historical State
NFEDI	NFEDI - NF Indian Fee
INDTR	INDTR - Indian Trust
UNDET	UNDET - Undetermined
AQJUR	AQJUR - AQ Juris
AQDON	AQDON - AQ Donation

### A.43 dom\_MTP\_SURF\_RGT\_OTH

**MTP Surface Right Other Code.** Right(s) reserved to the U.S. that are associated with the land.

Code	Description
Range Improvement	Range Improvement
Protective Easement	Protective Easement
Right-of-Way	Right-of-Way
Easement	Easement
Reservoir	Reservoir
Reservoir-Easement	Reservoir-Easement

### A.44 dom\_MTP\_SURF\_RGT\_RESTR1

**MTP Surface Right Restrictions 1 Code.** Surface restrictions such as Not Open to Surface (NOS).

Code	Description
NOS	NOS - Not Open to Surface Entry
NON	NON - No Restrictions
UNDET	UNDET - Undetermined
COM	COM - Complex Restrictions, see doc.
AGR	AGR - Not open to Agricultural Laws
CAR	CAR - Not open to Carey Act
DLE	DLE - Not open to Desert Land Entry
EX	EX - Not open to Exchanges
FPA	FPA - FPA Restrictions
PLS	PLS - Not open to Public Land Sales
RPP	RPP - Not open to R and PP
RST	RST - Restricted Segregation

Code	Description
RVS	RVS - Reversionary Clause Restriction
SAL	SAL - Not open to Sales
STR	STR - Not open to Small Tracts
SX	SX - Not open to State Exchange

## A.45 dom\_MTP\_SURF\_RGT\_RESTR2

**Surface Right Restrictions 2 Code.** Secondary surface restrictions.

Code	Description
AGR	AGR - Not open to Agricultural Laws
CAR	CAR - Not open to Carey Act
DLE	DLE - Not open to Desert Land Entry
EX	EX - Not open to Exchanges
FPA	FPA - FPA Restrictions
PLS	PLS - Not open to Public Land Sales
RPP	RPP - Not open to R and PP
RVS	RVS - Reversionary Clause Restriction
SAL	SAL - Not open to Sales
STR	STR - Not open to Small Tracts
SX	SX - Not open to State Exchange

## A.46 dom\_MTP\_SURF\_RGT1

**MTP Surface Rights 1 Code.** Primary Right(s) reserved to the U.S. that are associated with the case.

Code	Description
001	001 - NONE
888	888 - TIMBER IN PERPETUITY
889	889 - TIMBER,STANDING
930	930 - ALL SURF. RIGHTS U.S.
940	940 - LIMITED U.S. SURF. RIGHTS
942	942 - DITCHES OR CANALS
943	943 - SUBJ TO EXISTING R/W-ESMT
944	944 - SUBJ TO EXIST FED R/W
948	948 - FED. PWR ACT, SEC. 24
960	960 - REVERSION CLAUSE EXISTS
963	963 - EXCLUSIVE ESMT

Code	Description
964	964 - NONEXCLUSIVE ESMT
970	970 - OTHER ENERGY FACILITIES
971	971 - NON-ENERGY FACILITIES
994	994 - DOC CONTAINS DATA ERROR
996	996 - US RGT UNK
997	997 - MISSING DOC/ILLEGIB DATA
885	885 - OTHER
969	969 - OIL & GAS FACILITIES
936	936 - RESTRICTED SURFACE USE

## A.47 dom\_MTP\_SURF\_RGT2

**MTP Surface Rights 2 Code.** Secondary Right(s) reserved to the U.S. that are associated with the case.

Code	Description
888	888 - TIMBER IN PERPETUITY
889	889 - TIMBER,STANDING
942	942 - DITCHES OR CANALS
943	943 - SUBJ TO EXISTING R/W - ESMT
944	944 - SUBJ TO EXIST FED R/W
948	948 - FED. PWR ACT, SEC. 24
960	960 - REVERSION CLAUSE EXISTS
963	963 - EXCLUSIVE ESMT
964	964 - NONEXCLUSIVE ESMT
971	971 - NON-ENERGY FACILITIES
885	885 - OTHER

## A.48 dom\_MTP\_TWP\_DIR

**MTP Township Direction Code.** The Township Direction to be displayed on the Master Title Plat, either North or South.

Code	Description
N	NORTH
S	SOUTH

## A.49 dom\_MTP\_TYPE

**MTP Type Code.** Text describing the type of Plat displayed on the Master Title Plat



Code	Description
MT/USE PLAT	MT/USE PLAT
MT PLAT	MT PLAT
USE PLAT	USE PLAT

## A.50 dom\_PCT100\_Dbl

Percentage. This is a range domain with a minimum value of 0.0 and a maximum value of 100.

## B Domains (ESRI) (Valid Values)

These are the domains used by the dataset that are inherited by the ESRI software. Names and values are generated by the software when annotation feature classes are created.

### B.1 AnnotationStatus

**ESRI Annotation Status Code.** Valid annotation status values. Inherited from the ESRI software.

Code	Description
0	Placed
1	Unplaced

### B.2 BooleanSymbolValue

**ESRI Boolean Symbol Value.** Inherited from the ESRI software.

Code	Description
1	Yes
0	No

### B.3 HorizontalAlignment

**ESRI Horizontal Alignment Code.** Valid horizontal symbol alignment values. Inherited from the ESRI software.

Code	Description
0	Left
1	Center
2	Right
3	Full

### B.4 VerticalAlignment

**ESRI Vertical Alignment Code.** Valid symbol vertical alignment values. Inherited from the ESRI software.

Code	Description
0	Top
1	Center
2	Baseline
3	Bottom