

AREAS OF CRITICAL ENVIRONMENTAL CONCERN (ACEC) BOUNDARIES DATA STANDARD REPORT

December 2, 2009

Version 1.2

FINAL

United States Department of Interior Bureau of Land Management Program Management Office OC-120 Denver Federal Center Denver, Colorado 80225

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1. Introduction *General Information about the standard (For more information see H 1283-1, Data Administration and Management Handbook, Chapter 7 - Developing Data Standards)*

Description of Standard

Area of Critical Environmental Concern Boundaries(ACEC Boundaries)

FLPMA Section 103 (43 US Code 1702[a]) and 43 Code of Federal Regulations 1601.0-5(a) describes ACECS as 'areas within the public lands where special management attention is required to protect and prevent irreparable damage to important historic, cultural, or scenic values, fish and wildlife resources or other natural systems or processes, or to protect life and safety from natural hazards."

ACECs are designated through the Land Use Planning Process.

This standard covers only the information required for the boundaries of areas considered, nominated, and designated as ACECs.

Affected Groups (who is effected, who should care)	Land Use Planners, GIS Specialists
Sponsor (business of sponsor)	Deb Rawhouser - Division Chief, Planning and Science Policy

2. Data Steward/GIS Contact Identification Include lead agency if appropriate; who is/are the data steward(s)

and GIS Contact(s)

Office	Role	Name	Contact Information
WO-210	BLM Business Data Steward	Bob Bewley	Bob_Bewley@blm.gov
			202 452-5111

3. Data Set Characteristics							
Overall Security:	Public						
Identify security level							
(e.g. public/ non-public)							
If non-public state why							
Who has create, read,	GIS Specialists, BLM Planners						
update, and/or delete							
privileges							
Data Collection &	a) Accuracy Requirements: what level is	The expected spatial accuracy is included within the attributes					
Maintenance Protocols:	required?	of the data.					
data collection and		Spatial Accuracy:					

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maintenance procedures		ACCURACY MEASUREMENT IN FEET
that would apply		
	b) Collection & Input Protocols: what are	There is currently no single method for data collection and input
	approved methods?	for this data set. Data may be collected and input from a variety
		of sources as long as the data are documented with metadata. BLM has not yet migrated enough of its existing data stores to
		any specific format to eliminate any methods for digital data
		collection.
	c) Update Procedures: On what basis are	Within 60 days of proposal, designation, or update of an ACEC.
	updates completed (e.g. township basis,	
	case file basis); how often; by when?	
Data Quality: measures	a) Transaction level data quality: how will	Implementation will include domain value edits during data
that will be applied to the	the review of data quality take place	entry.
data	during data entry	
	b) Monitoring level data quality: what	Supervisory review of product
	systematic review of data quality will take	Land Use Planner review of product
	place and how will it be done?	
Relationship to Other Sta	andards: Identify any other data standards	None currently known.
	elated; these can include national, state,	
local, or other agencies/org	ganizations; identify data element that	
would tie them together (e	.g. RIPS by allotment number)	

4. Data Model Characteristics *Each data standard is to be supported by a data model which includes entities and relationships between entities*

a) Logical Data Model – a graphical depiction of logical data showing entities (tables) and how they relate to each other

b) Entity Descriptions: places, persons, things, or concepts described in the data set (aka tables)

Notes: Data Element Names (aka fields) - must adhere to WO IM-2004-60 Attachment 3: Data Element Naming Conventions Data Element Definition - avoid using data element name to describe, include whether this makes it non-public or not, if there is a data steward for this particular element give name

Data Type/Field Size – e.g. Char(12) or Text(12) or Decimal(5,2)

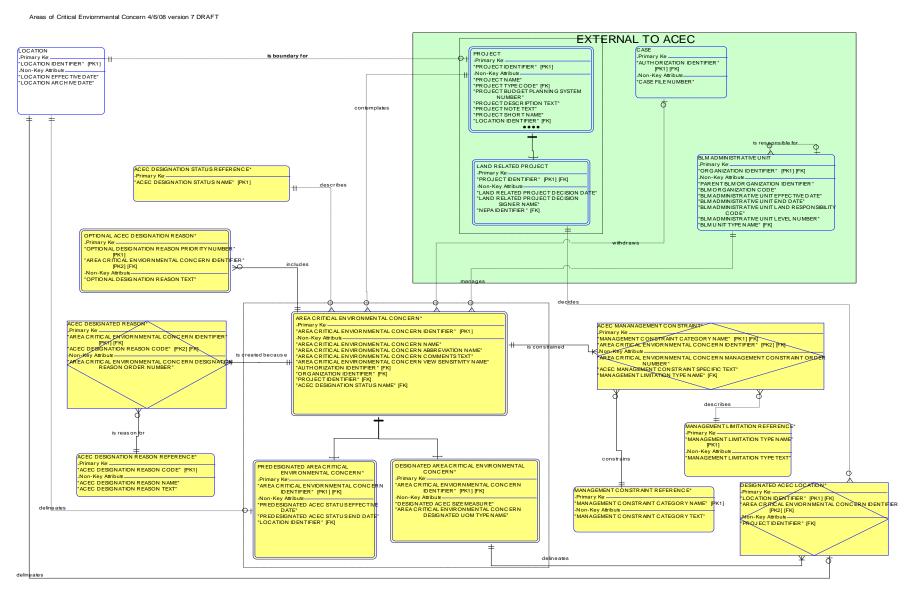
Domain codes and definitions – if has codes, list and define them or refer to authoritative source where they can be found (e.g. Yes, No or list of weed codes)

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Area of Critical Environmental Concern (ACEC) Data Model

The entities in the shaded areas (green) are not part of this standard (and do not need to be reviewed). They are provided to show context and provide relationships to other data only.



Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Requi red?	Definition
ACEC DE	SIGNATED RE		considere	d ACE	C area.	The primary reason is given an order number of 1.
	·	DESIGNATION REASON ORDER NUMBER	small integer		Yes	The number that identifies the order of importance of the designation reason. The primary reason is number one.
		AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		DESIGNATION REASON CODE	character	3	Yes	The code that designates the legally significant reasons placed on a designated, nominated, or considered Area of Critical Environmental Concern, as defined in CFR 1610.7-2.
ACEC DE		ASON REFERENCE r the legally recognizable / designate	d reasons	placed	on a de	signated, nominated, or considered ACEC.
		ACEC DESIGNATION REASON CODE	character	3	Yes	The code that designates the legally significant reasons placed on a designated, nominated, or considered Area of Critical Environmental Concern, as defined in CFR 1610.7-2.
		ACEC DESIGNATION REASON NAME	character	20	Yes	The name that designates the legally recognizable / designated reasons placed on a designated, nominated, or considered ACEC area.
		ACEC DESIGNATION REASON TEXT	character	200	Yes	The text that describes the designation reason placed on an Area of Critical Environmental Concern.
ACEC M/			hat are pla small integer	iced on	a desig	gnated, nominated or considered ACEC area. The primary The number that identifies the order of importance of the management constraint. The primary reason is number one.
		MANAGEMENT CONSTRAINT CATEGORY NAME	character	20	Yes	The name that categorizes the legally recognizable and designated management constraints, restrictions and goals placed on an area with some degree of status.
		AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		ACEC MANAGEMENT CONSTRAINT SPECIFIC TEXT	character	100	Opt	The text that describes the specifics about a management constraint category.

This lists all entities and attributes (in alphabetical order, not hierarchical or chronological order) in the logical data model shown above	This lists all entities and attributes	(in alphabetical order	not hierarchical or chro	onological order) in the	e logical data model shown above.
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Entity	Entity	Logical Data Element Name	Туре	Size	Definition		
Name	Description				red?		
		MANAGEMENT LIMITATION TYPE NAME	character	20	Yes	The name of the type of limitiations that can be placed on a management constraint category.	
REA CR	The designation Management A to protect and p systems or proc	ct of 1976 (FLPMA, P.L. 94-579). A prevent irreparable damage to impor cesses; or to protect human life and	CECs inclu tant historio safety from	de pub c, cultu n natur	blic lands Iral, and al hazar	orized in Section 202 (c)(3) of the Federal Land Policy and s where special management attention and direction is needed scenic values, fish, or wildlife resources or other natural ds. ACEC designation indicates BLM recognizes the significant	
	values of the ar	ea and intends to implement manage AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	
		AREA CRITICAL ENVIRONMENTAL CONCERN NAME	character	60	Yes	The name of the ACEC taken from the Record of Decision and Land Use Plan which officially designated the ACEC.	
		AREA CRITICAL ENVIRONMENTAL CONCERN ABBREVIATION NAME	character	30	Opt	A short, abbreviated version of the name of ACEC for labeling purposes.	
		AREA CRITICAL ENVIRONMENTAL CONCERN COMMENTS TEXT	character varying	200	Opt	The text that provides additional information about the Area of Critical Environmental Concern.	
		AREA CRITICAL ENVIRONMENTAL CONCERN VIEW SENSITIVITY NAME	character	10	Yes	A name that designates the sensitivity of the information on the Area of Critical Environmental Concern. Valid values: Restrict, Public. Business rule: Restrict is rarely used: if the boundary is very close or coincident with a cultural site(s) or T&E species location(s) that would be extremely sensitive to disclosure and would be protected under FOIA.	
		ACEC DESIGNATION STATUS NAME	character	25	Yes	The name that represents the stage of authorization category for an area being reviewed for the Land Use Plan.	
		AUTHORIZATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	
		ORGANIZATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	
		PROJECT IDENTIFIER	character	12	Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	

ACEC DESIGNATION STATUS REFERENCE The domain values that represent the stage of designation for an Area of Critical Environmental Concern.

ersion 1		Logical Data Element Name	Туре	NAL Size	Requi	12/2/ Definition
Entity Name	Entity Description	Logical Data Element Name	туре	5120	red?	Definition
	•	ACEC DESIGNATION STATUS NAME	character	25	Yes	The name that represents the stage of designation for an Area of Critical Environmental Concern.
DESIGN	ATED ACEC LO		ronmontal	Conco	rn which	changed due to amendments to the land use plan.
	The location of		integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		PROJECT IDENTIFIER	character	12	Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
DESIGN		ITICAL ENVIRONMENTAL CONCE		f Desig	inated.	
		DESIGNATED ACEC SIZE MEASURE	decimal	16v6	Opt	The measure of the area estimated in the designation process for land use planning. This is the designated size (acres) and may be different than the actual area. This does not change.
		DESIGNATED UOM TYPE NAME	character	20	Opt	The name of the unit of measure that is used for the Designated Size Measure, normally in acres.
		AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
MANAGE	The domain va	AINT REFERENCE lues for the legally recognizable/des gnation status (designated, nominate				straints, restrictions or goals placed on an area with some
		MANAGEMENT CONSTRAINT CATEGORY TEXT	character	100	Yes	The text that describes the legally recognizable and designated management constraints, restrictions and goals placed on an area with some degree of status.
		MANAGEMENT CONSTRAINT CATEGORY NAME	character	20	Yes	The code for the legally recognizable and designated management constraints, restrictions and goals placed on an area with some degree of status.
MANAGE		ION REFERENCE values for the types of limitations that	at can be p	laced o	on a mar	nagement constraint category.
		MANAGEMENT LIMITATION TYPE NAME	character	20	Yes	The name of the type of limitations that can be placed on a management constraint category.
				100	Yes	The text that describes the various management limitation

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Requi red?	Definition
OPTIONA	L ACEC DESIG	NATION REASON			•	•
	The domain of defined list.	values for a designation reason that	provides a	dditior	al infor	mation on the ACEC designation, not one of the CFR 1610.7-2
		OPTIONAL DESIGNATION REASON TEXT	character	40	Opt	The text that provides additional information about the Designation Reason, associated with the Designation Reason Code.
		OPTIONAL DESIGNATION REASON PRIORITY NUMBER	character	2	Yes	The number that indicates the priority of the additional reasons that an Area of Critical Environment Concern was designated.
		AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
PREDESI	-	CRITICAL ENVIRONMENTAL COI cal Environmental Concern that has	-	designa	ated.	
		AREA CRITICAL ENVIORNMENTAL CONCERN IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		PREDESIGNATED ACEC STATUS END DATE	date	8	Yes	The date on which the predesignation status of the area is no longer effective.
		PREDESIGNATED ACEC STATUS EFFECTIVE DATE	date	8	Yes	The date on which the predesignation status of the area becomes effective.
		LOCATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
Entity	Entity	Logical Data Element Name	e not part (Type	of this Size	standa Requi red?	rd but are here for informational purposes. Definition
Name	Description				reur	
BLM ADN	IINISTRATIVE U		o dictinat i	ricdict	ional ra	DRAFT ENTITY sponsibility for all activities in a geographic area. The formal
		sitions into designated units and the				
		ORGANIZATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		PARENT BLM ORGANIZATION IDENTIFIER	character	10	Opt	The identifier for the administrative unit that has responsibility for other units. For example, the Administrative Office is responsible for the Administrative State Office, which is responsible for District Offices.

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Requi red?	Definition
		BLM ORGANIZATION CODE	character	7	Yes	The code that indicates the formal grouping of positions into designated units and the assignment of functions and responsibilities to those units.
		BLM ADMINISTRATIVE UNIT END DATE	date		Yes	The date on which a BLM Administrative unit ends.
		BLM ADMINISTRATIVE UNIT EFFECTIVE DATE	date		Yes	The date on which a BLM Administrative unit begins.
		BLM ADMINISTRATIVE UNIT LAND RESPONSIBILITY CODE	character	10	Yes	A code that indicates if the BLM administrative unit is responsible for an area of BLM land.
		BLM ADMINISTRATIVE UNIT LEVEL NUMBER	number	2	Yes	A number that indicates the level of the organization for the BLM administrative unit.
		BLM UNIT TYPE NAME	character	20	Yes	A name the indicates the type of BLM organizational unit.
		CASE FILE NUMBER	character	15	Yes	The number that refers to the serialized case file number of the group of official documents that record the facts, or actions taken, on a specific application, such as an oil and gas lease, exchange, airport lease, easement acquisition, etc. (CMR). This field should be in uppercase (for example, OR035582). Inholding polygons should not be given a casefile number.
		AUTHORIZATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
LAND REL	ATED PROJECT A type of project (Implementation	that is related to work that is plan) Projects.		pleme		BLM land. This includes Land Use Plans and Land Activity
		LAND RELATED PROJECT DECISION DATE	date		Opt	The date on which the decision is signed by the person who has approval authority for the decisions.
		LAND RELATED PROJECT DECISION SIGNER NAME	character	12	Opt	The name of the person who signs the decisions, agreeing that the decisions can be adopted.
		NEPA IDENTIFIER	character	12	Yes	The designed primary key that will uniquely identify a single occurrence of the entity.
		PROJECT IDENTIFIER	character	12	Yes	The designed primary key that will uniquely identify a single occurrence of the entity.

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Requi red?	Definition	
LOCATION			•				
	A defined place			ns. No	r	ies linked to Location have the potential for a geospatial aspect.	
		LOCATION ARCHIVE DATE	date		Opt	The date which is the calendar year, month, and day when the position of the Location is considered no longer valid but has historical value.	
		LOCATION EFFECTIVE DATE	date		Yes	The date which is the calendar year, month, and day when the position of the Location was produced.	
		LOCATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	
PROJECT	A temporary end	leavor undertaken to create a uniq ities and requires resources and a		t, serv	ice or re	esult. It has a start and end date, defined deliverables,	
		PROJECT IDENTIFIER	character	12	Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	
		PROJECT TYPE CODE	character	10	Yes	The code that designates the type of project that is being conducted. Domain includes: LUP, NEPA.	
		PROJECT NAME	character	100	Yes	The name given to a project that represents the full, official name associated with the project.	
		PROJECT SHORT NAME	character	40	Yes	A name by which the project can be identified that is a shorter version of the full Project Name.	
		PROJECT BUDGET PLANNING SYSTEM NUMBER	character	10	Yes	A number that identifies the information related to a budget plan for the project.	
		PROJECT DESCRIPTION TEXT	character	200	Yes	The text that further describes the project with any additional details.	
		PROJECT NOTE TEXT	character	255	Yes	Text which contains optional information relevant to the project.	
		PROJECT INITIATION FISCAL YEAR DATE	character	4	Yes	The fiscal year in which the project started.	
		LOCATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	
		ORGANIZATION IDENTIFIER	integer		Yes	The designed primary key that will uniquely identify a single occurrence of the entity.	

5. Business Rules

Rules under which data is used and modified (See H 1283-1, Data Administration and Management Handbook, Chapter 8 – Documenting Business Rules)

1. Rule Name					ACEC Designation Type					
Rule source (e.g. handl	ule source (e.g. handbook, guidance, directive)					CFR 43 part 1610.7-2				
Source Description (br	ief explanation of	of where	e the rule come	es						
from)	-									
Rule Statement	Rule Statement					be designated	l with at leas	st one of the 8 ACEC		
(what is the rule?)				Ι	Designation types	s listed in CFR	R 43.			
Type of Rule (e.g. Bus	iness Term, Star	ndard, G	Guideline)		Standard					
Is it Mandatory, Option	nal or Not	N	/Iandatory	Automa	tion Restriction?	?		No		
Applicable because it i	s a Business Ter	rm?		(Yes, N	(Yes, No – caused by the limits of technology)					
How is Rule Implement	ited? (Manual Pa	rocess, C	Computer	Manual	anual and Computer Application					
Application, Not Appli	cable)									
Name of Application o	r Manual Proces	SS								
Rule Status (Active,	Active	Rule Ef	ffective Dates	(rules kep	ot Beginning		Ending			
Inactive)		for hist	torical purpose	es)	Date		Date			

2. Rule Name			ACEC View Sensitivity				
Rule source (e.g. handbook, guidance, direct	tive)		CFR 43 part 1610.7-2				
Source Description (brief explanation of wh comes from)	ere the rule			or coincident with cultural site(s) or T&E valid reasons and may be extremely sensitive to tected under FOIA.			
Rule Statement (what is the rule?)			If the boundary is sensitive a would be Restricted from pu	nd protected under FOIA, the View Sensitivity			
Type of Rule (e.g. Business Term, Standard	, Guideline)		Guideline	blic view of felease.			
Is it Mandatory, Optional or Not	Optional		Automation Restriction?	No			
Applicable because it is a Business Term?	_		(Yes, No – caused by the				
			limits of technology)				
How is Rule Implemented? (Manual Process	8,	Manu	al and Computer Application				

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Computer Application, N	lot Applicable)								
Name of Application or I	Manual Process	\$							
Rule Status (Active, Inactive)	Active	Rule Effective Dates (ru for historical purposes)							
Examples (not a definit	ive list) of whe	n View Sensitivity would	be Restric	<u>eted</u>					
to be used for t management p BLM manages defined, limited	a cliff-line that w alconry. To prot rescriptions for i an area that inc habitat that can	as annually the nesting habi- ect the habitat and T&E spect. But, there may be a threat udes a location of a listed pla be easily mapped and delin- ptions, but do not want, and w	es we want to the falcor nt that has ated. We r	to define the area ns if the ACEC bou been a popular pla nay want to define	as an ACEC and establi indary is published. int for collecting. This pl an ACEC boundary for	ish particular ant may grow in a well this plant to develop			
publicly known apparent clues	(large agricultu to their whereat	ot extremely obvious, cultura and fields, or seasonal camps bouts.) There would be partic on for the site(s). Since the b	used by trik ular manag	pes that are constr ement guidelines of	ucted with perishable ma developed for the area a	aterials, but left less nd an ACEC would be			

6. Other Material Any other supporting material that aids in the understanding or use of the data standard; include specific geographic, organizational, or applicability constraints for non-national standards

- ACEC Data Standard Proposal

- ACEC Implementation Guidelines

7. Domains Specific to ACECs

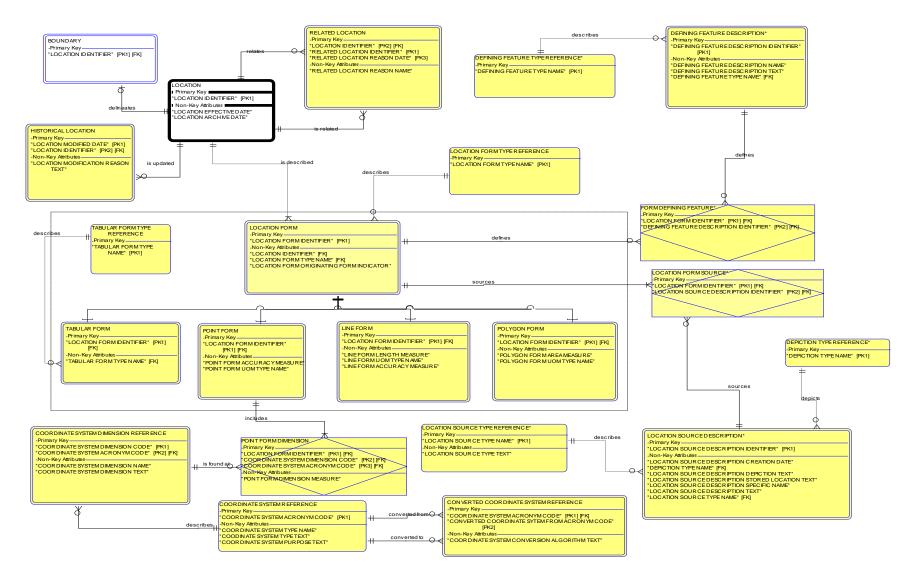
Link to Domains

Appendix A – Data Categories

How this standard fits into/sup	ports the Bureau Enterprise Architecture.
What DOI Subject Areas and I	nformation Classes does this standard cover?
Subject Area: A collection of	data classifications representing broad categories of information that support a line of business.
Information Class: A logical g	rouping of entities that are subcategories of the subject areas.
For the full list of Subject Area	s and their Information Classes please see
http://web.blm.gov/data_mgt/g	uidelines/DOI_SubjectArea_InfoClass.doc
Geospatial (Subject Area)	Information about data that includes a terrestrial coordinate system or geographic reference. This
	includes geospatial data sets, mapping, imagery, coverage's, elevations, and features.
Map (Information	A graphic depiction on a flat surface of the physical features of the whole or a part of the earth or other
Class)	body, or of the heavens, using shapes to represent objects and symbols to describe their nature. Maps
	generally use a specified projection and indicate the direction of orientation.
Spatial Data Set	A collection of spatial data and its related descriptive data, organized for efficient storage and retrieval.
1	A contection of spanar and the retrieval descriptive and, organized for efficient storage and retrieval. A simple data set might be a single file with many records, each of which references the same set of
(Information Class)	fields. A more robust spatial data set includes data about the spatial locations and shapes of geographic
	features, recorded as points, lines, areas, pixels, grid cells, or TIN (Triangulated Irregular Network)
	sample points, as well as their attributes.

Appendix B – Location

Data Model that provides information on standard attributes for feature level metadata. It is not part of this data standard and does not need to be reviewed for the data standard, merely provides more information and relationships.



Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Req' d?	Key*	Definition
BOUNDARY							DRAFT ENTITY
	The edge of a loca	tion that demarks the change from on	e location to a	nother l	ocation.		
		LOCATION IDENTIFIER	integer		Yes	РК	The designed primary key that will uniquely identify a single occurrence of the entity.
CONVERTED	COORDINATE SYST	EM REFERENCE					DRAFT ENTITY
	The domain of value	ues for the algorithm used to convert f	1			nother.	1
		COORDINATE SYSTEM CONVERSION ALGORITHM TEXT	character	60	Yes		The text that contains the algorithm used to convert from one coordinate system to another.
		COORDINATE SYSTEM ACRONYM CODE	character	10	Yes	PK, FK	The code that is considered the acronym for the coordinate system type.
		CONVERTED COORDINATE SYSTEM FROM ACRONYM CODE	character	10	Yes	РК	The code for the coordinate system that is being converted from (to another coordinate system).
COORDINAT	E SYSTEM DIMENSI	ON REFERENCE					DRAFT ENTITY
		at are part of given coordinate system	type.				
		COORDINATE SYSTEM DIMENSION TEXT	character	100	Yes		The text that further describes the dimension for a given coordinate system type.
		COORDINATE SYSTEM DIMENSION CODE	character	10	Yes	РК	The code that is used to designate a dimension for a coordinate system type.
		COORDINATE SYSTEM DIMENSION NAME	character	10	Yes		The name associated with a code that is used to designate a dimension for a coordinate system type.
		COORDINATE SYSTEM ACRONYM CODE	character	10	Yes	PK, FK	The code that is considered the acronym for the coordinate system type.
	E SYSTEM REFEREN	CE CE			1		DRAFT ENTITY
COORDINATI		ning an n-tuple of numbers or scalars t	o each point i	n an n-d	imension	al space.	
	-,0	COODINATE SYSTEM TYPE TEXT	character	100	Yes		The text that describes the particular coordinate system type.
		COORDINATE SYSTEM TYPE NAME	character	40	Yes		The name given to a particular coordinate system type.
		COORDINATE SYSTEM ACRONYM CODE	character	10	Yes	РК	The code that is considered the acronym for the coordinate system type.
		COORDINATE SYSTEM PURPOSE TEXT	character	100	Yes		The text that describes the purpose or purposes of a given coordinate system type.
	ATURE DESCRIPTIO	N*					APPROVED ENTITY: BLM
			n be used to d	efine / c	reate the	location,	based on the Defining Feature Type Name. There is not a finite set of values for this.
		DEFINING FEATURE DESCRIPTION NAME	character	40	Opt		The name that identifies a more specific description of the feature from which the arcs are derived to create polygon boundaries. This information further describes the physical or mapping feature that makes up the polygon boundary.
		DEFINING FEATURE DESCRIPTION TEXT	character	200	Yes		The text that provides further details on the Defining Feature Description.

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Req' d?	Key*	Definition
	1	DEFINING FEATURE DESCRIPTION IDENTIFIER	integer		Yes	РК	The designed primary key that will uniquely identify a single occurrence of the entity.
		DEFINING FEATURE TYPE NAME	character	30	Yes		The name that identifies the high-level category for the actual physical or mapping characteristics (features) from which the arcs are derived.
DEFINING F	EATURE TYPE REFER		e) constructe	d from a	geograph	ic feature	APPROVED ENTITY: BLM that was used to create the location boundary.
		DEFINING FEATURE TYPE NAME	character	30	Yes	PK	The name that identifies the high-level category for the actual physical or mapping characteristics (features) from which the arcs are derived.
DEPICTION	TYPE REFERENCE*			•			APPROVED ENTITY: BLM
	The domain of val	ues for the way a location is depicted e	either in scale	or resolu	ition.		
		DEPICTION TYPE NAME	character	10	Yes	РК	The name that designates the detail with which the location is depicted, either in resolution or scale.
FORM DEFI	NING FEATURE*	res associated with a specific location	form				APPROVED ENTITY: BLM
	denning ledit	LOCATION FORM IDENTIFIER	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		DEFINING FEATURE DESCRIPTION	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		IDENTIFIER					DRAFT ENTITY
HISTORICAL							DRAFT ENTITY
HISTORICAL			anged. Busine	ess Rule:	this is for	administra	DRAFT ENTITY ative changes, not necessarily for corrections to data.
HISTORICAL			anged. Busine character	ess Rule: 200	this is for Yes	administra	
HISTORICAL		on why a location's information has ch	-	1		administra PK	ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for
HISTORICAL		on why a location's information has ch LOCATION MODIFICATION REASON TEXT	character	1	Yes		ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location
		on why a location's information has ch LOCATION MODIFICATION REASON TEXT LOCATION MODIFIED DATE	character date	1	Yes Yes	РК	ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location was last modified.
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	The date and reas	on why a location's information has ch LOCATION MODIFICATION REASON TEXT LOCATION MODIFIED DATE LOCATION IDENTIFIER	character date integer le linear featu	200 Ire. It is u	Yes Yes Yes	PK PK, FK present riv	ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location was last modified. The designed primary key that will uniquely identify a single occurrence of the entity. DRAFT ENTITY vers, and roads, or to form the boundary of polygons. (GIS dictionary) Note: In our current
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	The date and reas	on why a location's information has ch LOCATION MODIFICATION REASON TEXT LOCATION MODIFIED DATE LOCATION IDENTIFIER ted, co-ordinate points forming a simp tent this includes all types of straight ar LOCATION FORM IDENTIFIER	character date integer le linear featu nd curved line integer	200 Ire. It is u	Yes Yes Yes ised to re ing ones th Yes	PK PK, FK present riv nat interse	ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location was last modified. The designed primary key that will uniquely identify a single occurrence of the entity. DRAFT ENTITY vers, and roads, or to form the boundary of polygons. (GIS dictionary) Note: In our current ction. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The domain value associated with the Unit of Measure used for the Line Form Length
	The date and reas	on why a location's information has ch LOCATION MODIFICATION REASON TEXT LOCATION MODIFIED DATE LOCATION IDENTIFIER tted, co-ordinate points forming a simp ent this includes all types of straight ar LOCATION FORM IDENTIFIER LINE FORM LENGTH MEASURE	character date integer le linear featu nd curved line integer decimal	200 Ire. It is u s includii	Yes Yes Yes Yes Yes Yes	PK PK, FK present riv nat interse	ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location was last modified. The designed primary key that will uniquely identify a single occurrence of the entity. DRAFT ENTITY vers, and roads, or to form the boundary of polygons. (GIS dictionary) Note: In our current ction. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The measure of the length of the line described in the Line Form UOM Type Name.
	The date and reas	on why a location's information has ch LOCATION MODIFICATION REASON TEXT LOCATION MODIFIED DATE LOCATION IDENTIFIER tted, co-ordinate points forming a simp ent this includes all types of straight ar LOCATION FORM IDENTIFIER LINE FORM LENGTH MEASURE LINE FORM UOM TYPE NAME	character date integer le linear featu nd curved line integer decimal character	200 Ire. It is u s includii	Yes Yes Yes Yes Yes Yes	PK PK, FK present riv nat interse	ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location was last modified. The designed primary key that will uniquely identify a single occurrence of the entity. DRAFT ENTITY vers, and roads, or to form the boundary of polygons. (GIS dictionary) Note: In our current ction. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The domain value associated with the Unit of Measure used for the Line Form Length Measure. The measure that describes how close, in Line Form UOM Type Name the actual
LINE FORM	The date and reas	on why a location's information has ch LOCATION MODIFICATION REASON TEXT LOCATION MODIFIED DATE LOCATION IDENTIFIER ted, co-ordinate points forming a simp tent this includes all types of straight ar LOCATION FORM IDENTIFIER LOCATION FORM IDENTIFIER LINE FORM LENGTH MEASURE LINE FORM UOM TYPE NAME LINE FORM ACCURACY MEASURE	character date integer le linear featund curved line integer decimal character decimal	200	Yes Yes Yes Yes Yes Yes Yes	PK PK, FK present riv nat interse PK, FK	 ative changes, not necessarily for corrections to data. The text which is the explanation for why data about a location has changed for administrative reasons. The date which is the calendar year, month, and day when the position of the Location was last modified. The designed primary key that will uniquely identify a single occurrence of the entity. DRAFT ENTITY vers, and roads, or to form the boundary of polygons. (GIS dictionary) Note: In our current ction. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The designed primary key that will uniquely identify a single occurrence of the entity. The domain value associated with the Unit of Measure used for the Line Form Length Measure. The measure that describes how close, in Line Form UOM Type Name the actual location is to the spatial depiction.

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Req' d?	Key*	Definition
		LOCATION EFFECTIVE DATE	date		Yes		The date which is the calendar year, month, and day when the position of the Location was produced.
		LOCATION IDENTIFIER	integer		Yes	РК	The designed primary key that will uniquely identify a single occurrence of the entity.
LOCATION F				•			DRAFT ENTITY
	The form in which	the location is described such as the c	-	ape, or a			
		LOCATION FORM IDENTIFIER	integer		Yes	РК	The designed primary key that will uniquely identify a single occurrence of the entity.
		LOCATION IDENTIFIER	integer		Yes	FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		LOCATION FORM TYPE NAME	character	10	Yes	FK	The type of form in which the location is described or appears. point, line, polygon, tabular
		LOCATION FORM ORIGINATING FORM INDICATOR	character	3	Yes		The value that indicates if this is the way in which the location was first drawn/described. (yes, no)
							APPROVED ENTITY: BLM
LUCATION	FORM SOURCE* The actual origin of	of the location sources that were used	to create a sp	ecific loc	ation form	n.	
		LOCATION FORM IDENTIFIER	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		LOCATION SOURCE DESCRIPTION	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
							DRAFT ENTITY
LOCATION F	FORM TYPE REFERENT The domain for th communities.	NCE	described or a	appears v	whether in	n words, n	DRAFT ENTITY umbers of features (point line, polygon). This has been called feature in geospatial
LOCATION F	The domain for th	NCE	described or a	appears v	whether in Yes	n words, n PK	
	The domain for th communities.	NCE le type of form in which the location is LOCATION FORM TYPE NAME	1				umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon,
	The domain for th communities.	NCE type of form in which the location is LOCATION FORM TYPE NAME	character	10	Yes	РК	umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular APPROVED ENTITY: BLM
	The domain for th communities.	NCE type of form in which the location is LOCATION FORM TYPE NAME	character	10	Yes	РК	umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular
	The domain for th communities.	NCE The type of form in which the location is LOCATION FORM TYPE NAME N* Tovide a second level of detail about th LOCATION SOURCE DESCRIPTION	character e location (cod	10	Yes source o	РК	umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular APPROVED ENTITY: BLM e: there is not a finite set of these values. The date on which the location source was originally created. This could just be a year
	The domain for th communities.	NCE Te type of form in which the location is LOCATION FORM TYPE NAME NN* rovide a second level of detail about th LOCATION SOURCE DESCRIPTION CREATION DATE LOCATION SOURCE DESCRIPTION	character e location (coo date	10 prdinate)	Yes source o Yes	РК	umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular APPROVED ENTITY: BLM e: there is not a finite set of these values. The date on which the location source was originally created. This could just be a year (ccyy). The text that provides the additional description of where the coordinate source can be
	The domain for th communities.	NCE Te type of form in which the location is LOCATION FORM TYPE NAME NN* Tovide a second level of detail about th LOCATION SOURCE DESCRIPTION CREATION DATE LOCATION SOURCE DESCRIPTION STORED LOCATION TEXT LOCATION SOURCE DESCRIPTION	character e location (coo date character	10 prdinate) 100	Yes source o Yes Yes	РК	umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular APPROVED ENTITY: BLM e: there is not a finite set of these values. The date on which the location source was originally created. This could just be a year (ccyy). The text that provides the additional description of where the coordinate source can be found The text that describes the actual resolution or scale in which the location is depicted. Examples for Resolution: 1 meter, 10 feet. Examples for Scale: 1 in 10,000, 1 in 100. This
	The domain for th communities.	NCE The type of form in which the location is LOCATION FORM TYPE NAME Tovide a second level of detail about th LOCATION SOURCE DESCRIPTION CREATION DATE LOCATION SOURCE DESCRIPTION STORED LOCATION TEXT LOCATION SOURCE DESCRIPTION DEPICTION TEXT	character e location (coo date character character	10 prdinate) 100 20	Yes source o Yes Yes Yes	PK	 umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular APPROVED ENTITY: BLM e: there is not a finite set of these values. The date on which the location source was originally created. This could just be a year (ccyy). The text that provides the additional description of where the coordinate source can be found The text that describes the actual resolution or scale in which the location is depicted. Examples for Resolution: 1 meter, 10 feet. Examples for Scale: 1 in 10,000, 1 in 100. This does not have a domain or list of valid values. The name that designates the detail with which the location is depicted, either in
	The domain for th communities.	NCE Te type of form in which the location is LOCATION FORM TYPE NAME INN* Tovide a second level of detail about th LOCATION SOURCE DESCRIPTION CREATION DATE LOCATION SOURCE DESCRIPTION STORED LOCATION TEXT LOCATION SOURCE DESCRIPTION DEPICTION TYPE NAME LOCATION SOURCE DESCRIPTION	character e location (coo date character character character	10 prdinate) 100 20	Yes source o Yes Yes Yes	PK	 umbers of features (point line, polygon). This has been called feature in geospatial The type of form in which the location is described or appears. point, line, polygon, tabular APPROVED ENTITY: BLM e: there is not a finite set of these values. The date on which the location source was originally created. This could just be a year (ccyy). The text that provides the additional description of where the coordinate source can be found The text that describes the actual resolution or scale in which the location is depicted. Examples for Resolution: 1 meter, 10 feet. Examples for Scale: 1 in 10,000, 1 in 100. This does not have a domain or list of valid values. The name that designates the detail with which the location is depicted, either in resolution or scale.

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Req' d?	Key*	Definition
		LOCATION SOURCE TYPE NAME	character	40	Yes	FK	The name that identifies the general category for the origin of the location coordinate, representing a compilation of the state adopted source codes. The domain contains those values that would most likely be used in the determination of source codes for the data set.
OCATION	SOURCE TYPE REFER The domain for th	ENCE* e types of sources for the original loca	tion descriptic	on / form			APPROVED ENTITY: BLM
		LOCATION SOURCE TYPE NAME	character	40	Yes	РК	The name that identifies the general category for the origin of the location coordinate, representing a compilation of the state adopted source codes. The domain contains those values that would most likely be used in the determination of source codes for the data set.
		LOCATION SOURCE TYPE TEXT	character	100	Yes		The text that describes the Location Source Type.
POINT FOR	M		l				DRAFT ENTITY
		al abstraction of an object, with its loca	ition specified	by a set	of coordi	nates. (Gl	5 dictionary)
		LOCATION FORM IDENTIFIER	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		POINT FORM ACCURACY MEASURE	decimal		Yes		The measure that describes how close the spatial depiction of the point is to the actual location.
		POINT FORM UOM TYPE NAME	character	20	Yes		The name of the domain value associated with the Unit of Measure used for the Point Form Accuracy Measure.
POINT FOR	M DIMENSION The measure asso	ciated with each dimension of a Coord	inate System.				DRAFT ENTITY
		PONT FORM DIMENSION MEASURE	decimal		Yes		The measure that is associated with a specific coordinate system dimension.
		LOCATION FORM IDENTIFIER	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		COORDINATE SYSTEM DIMENSION CODE	character	10	Yes	РК, F К	The code that is used to designate a dimension for a coordinate system type.
		COORDINATE SYSTEM ACRONYM CODE	character	10	Yes	PK, FK	The code that is considered the acronym for the coordinate system type.
POLYGON F	ORM						DRAFT ENTITY
	An area bounded	by a closed line. It is used to describe s In our physical environment, this inclu	•	-			d political boundaries and areas of homogeneous land use and soil types. (GIS nat overlap.
	ulctionary). Note.		integer		Yes	РК	The designed primary key that will uniquely identify a single occurrence of the entity.
	dictionary). Note:	LOCATION FORM IDENTIFIER					
	dictionary). Note:	LOCATION FORM IDENTIFIER POLYGON FORM UOM TYPE NAME	character	20	Yes		The name of the domain value associated with the Unit of Measure used for the Polygon Form Length Measure.
	dictionary). Note:	POLYGON FORM UOM TYPE		20	Yes Yes		Polygon Form Length Measure. The area of the polygon described in the Polygon Form UOM Type Name.
RELATED LC	DCATION	POLYGON FORM UOM TYPE NAME	character decimal	20			Polygon Form Length Measure.

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Entity Name	Entity Description	Logical Data Element Name	Туре	Size	Req' d?	Key*	Definition
		RELATED LOCATION REASON NAME	character	40	Yes		The name that indicates the reason why two locations are related. Possible values: multi-part polygon, polygon lines, overlapping polygons.
		RELATED LOCATION REASON DATE	date		Yes	РК	The date when two locations became related for the reason stated.
		LOCATION IDENTIFIER	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
TABULAR FC			1	an be a s	-		DRAFT ENTITY nbination of attributes that make up an address.
		LOCATION FORM IDENTIFIER	integer		Yes	PK, FK	The designed primary key that will uniquely identify a single occurrence of the entity.
		TABULAR FORM TYPE NAME	character	20	Yes	FK	The name of the sub-category of the location form type which is true for tabular or alphanumeric descriptions of a location.
TABULAR FC	DRM TYPE REFERENC The domain for the	CE E type of tabular form that is being use	ed to describe	the loca	tion.		DRAFT ENTITY
		TABULAR FORM TYPE NAME	character	20	Yes	РК	The name of the sub-category of the location form type which is true for tabular or alphanumeric descriptions of a location.
						*Key	(PK: Primary Key) (FK: Foreign Key which is PK of related entity) (PK, FK: Foreign Key part of PK)