

ISO 19115 Metadata Code Lists

1. CI_DateTypeCode

	Name	Domain Code	Definition
10	CI_DateTypeCode	DateTypCd	Identification of when a given event occurred
11	creation	001	date identifies when the resource was brought into existence
12	publication	002	date identifies when the resource was issued
13	revision	003	date identifies when the resource was examined or re-examined and improved or amended

2. CI_OnLineFunctionCode

	Name	Domain Code	Definition
20	CI_OnLineFunctionCode	OnFunctCd	function performed by the resource
21	download	001	online instructions for transferring data from one storage device or system to another
22	information	002	online information about the resource
23	offlineAccess	003	online instructions for requesting the resource from the provider
24	order	004	online order process for obtaining the resource
25	search	005	online search interface for seeking out information about the resource

3. CI_RoleCode

	Name	Domain Code	Definition
30	CI_RoleCode	RoleCd	function performed by the responsible party
31	resourceProvider	001	party that supplies the resource
32	custodian	002	party that accepts accountability and responsibility for the data and ensures appropriate care and maintenance of the resource
33	owner	003	party that owns the resource
34	user	004	party that uses the resource

	Name	Domain Code	Definition
35	distributor	005	party that distributes the resource
36	originator	006	party who created the resource
37	pointOfContact	007	party who can be contacted for acquiring knowledge about or acquisition of the resource
38	principalInvestigator	008	key party responsible for gathering information and conduction research
39	processor	009	party who has processed the data in a manner such that the resource has been modified
40	publisher	010	party who published the resource
41	author	011	party who authored the resource

4. MD_CharacterSetCode

	Name	Domain Code	Definition
40	MD_CharacterSetCode	CharSetCd	name of the character coding standard used for the resource
41	ucs2	001	16-bit fixed size Universal Character set, based on ISO/IEC 10646
42	ucs4	002	32-bit fixed size Universal Character set, based on ISO/IEC 10646
43	utf7	003	7-bit variable size UCS Transfer Format, based on ISO/IEC 10646
44	utf8	004	8-bit variable size UCS Transfer Format, based on ISO/IEC 10646
45	utf16	005	16-bit variable size UCS Transfer Format, based on ISO/IEC 10646
46	8859part1	006	ISO/IEC 8859-1, Information technology – 8-bit single-byte coded graphic character sets – Part 1: Latin alphabet No. 1
47	8859part2	007	ISO/IEC 8859-2, Information technology – 8-bit single-byte coded graphic character sets – Part 2: Latin alphabet No. 2
48	8859part3	008	ISO/IEC 8859-3, Information technology – 8-bit single-byte coded graphic character sets – Part 3: Latin alphabet No. 3
49	8859part4	009	ISO/IEC 8859-4, Information technology – 8-bit single-byte coded graphic character sets – Part 4: Latin alphabet No. 4
50	8859part5	010	ISO/IEC 8859-5, Information technology – 8-bit single-byte coded graphic character sets – Part 5: Latin/Cyrillic alphabet
51	8859part6	011	ISO/IEC 8859-6, Information technology – 8-bit single-byte coded graphic character sets – Part 6: Latin/Arabic alphabet
52	8859part7	012	ISO/IEC 8859-7, Information technology – 8-bit single-byte coded graphic character sets – Part 7: Latin/Greek alphabet

	Name	Domain Code	Definition
53	8859part8	013	ISO/IEC 8859-8, Information technology – 8-bit single-byte coded graphic character sets – Part 8: Latin/Hebrew
54	8859part9	014	ISO/IEC 8859-9, Information technology – 8-bit single-byte coded graphic character sets – Part 9: Latin alphabet No. 5
55	8859part10	015	ISO/IEC 8859-10, Information technology – 8-bit single-byte coded graphic character sets – Part 10: Latin alphabet No. 6
56	8859part11	016	ISO/IEC 8859-11, Information technology – 8-bit single-byte coded graphic character sets – Part 1: Latin/Thai alphabet
57	(reserved)	017	
58	8859part13	018	ISO/IEC 8859-13, Information technology – 8-bit single-byte coded graphic character sets – Part 13: Latin alphabet No. 7
59	8859part14	019	ISO/IEC 8859-14, Information technology – 8-bit single-byte coded graphic character sets – Part 14: Latin alphabet No. 8 (Celtic)
60	8859part15	020	ISO/IEC 8859-15, Information technology – 8-bit single-byte coded graphic character sets – Part 15: Latin alphabet No. 9
61	8859part16	021	ISO/IEC 8859-16, Information technology – 8-bit single-byte coded graphic character sets – Part 16: Latin alphabet No. 10
62	jis	022	Japanese code set used for electronic transmission
63	shiftJIS	023	Japanese code set used on MS-DOS based machines
64	eusJP	024	Japanese code set used on UNIX based machines
65	usAscii	025	United States ASCII code set (ISO 646 US)
66	ebcdic	026	IBM mainframe code set
67	ecuKR	027	Korean code set
68	big5	028	traditional Chinese code set used in Taiwan, Hong Kong of China and other areas
69	GB2312	029	simplified Chinese code set

5. MD_ClassificationCode

	Name	Domain Code	Definition
80	MD_ClassificationCode	ClasscationCd	name of the handling restrictions on the dataset
81	unclassified	001	available for general disclosure
82	restricted	002	not for general disclosure
83	confidential	003	available for someone who can be entrusted with information
84	secret	004	kept or meant to be kept private, unknown, or hidden from all but a select group of people
85	topSecret	005	of the highest secrecy

6. MD_DatatypeCode

	Name	Domain Code	Definition
90	MD_DatatypeCode	DatatypeCd	datatype of element or entity
91	class	001	descriptor of a set of objects that share the same attributes, operations, methods, relationships, and behaviors
92	codelist	002	flexible enumeration used for expressing a long list of values, can be extended
93	enumeration	003	data type whose instances form a list of named literal values, not extendable
94	codelistElement	004	permissible value for a codelist or enumeration
95	abstractClass	005	class that cannot be directly instantiated
96	aggregateClass	006	class that is composed of classes it is connected to by an aggregate relationship
97	specifiedClass	007	subclass that may be substituted for its superclass
98	datatypeClass	008	class with few or no operations; whose primary purpose is to hold the abstract state of another class for transmittal, storage, encoding or persistent storage
99	interfaceClass	009	named set of operations that characterize the behavior of an element
100	unionClass	010	class describing a selection of one of the specified types
101	metaClass	011	class whose instances are classes
102	typeClass	012	class used for specification of a domain of instances (objects), together with the operations applicable to the objects. A type may have attributes and associations
103	characterString	013	free text field
104	integer	014	numerical field
105	association	015	semantic relationship between two classes that involves connections among their instances

7. MD_KeywordTypeCode

	Name	Domain Code	Definition
110	MD_KeywordTypeCode	KeyTypeCd	methods used to group similar keywords
111	discipline	001	keyword identifies a branch of instruction or specialized learning
112	place	002	keyword identifies a location
113	stratum	003	keyword identifies the layer(s) of any deposited substance
114	temporal	004	keyword identifies a time period related to the dataset
115	theme	005	keyword identifies a particular subject or topic
116	taxon	006	keyword identifies a taxonomic name
117	Instrument	ADlwg-001	keyword identifies an instrument

8. MD_MaintenanceFrequencyCode

	Name	Domain Code	Definition
120	MD_Maintenance FrequencyCode	MaintFreqCd	frequency with which modifications and deletions are made to the data after it is first produced
121	continual	001	data is repeatedly and frequently updated
122	daily	002	data is updated each day
123	weekly	003	data is updated on a weekly basis
124	fortnightly	004	data is updated every two weeks
125	monthly	005	data is updated each month
126	quarterly	006	data is updated every three months
127	biannually	007	data is updated twice each year
128	annually	008	data is updated every year
129	asNeeded	009	data is updated as deemed necessary
130	irregular	010	data is updated in intervals that are uneven in duration
131	notPlanned	011	there are no plans to update the data
132	unknown	012	frequency of maintenance for the data is not known

9. MD_MediumFormatCode

	Name	Domain Code	Definition
140	MD_MediumFormatCode	MedFormCd	method used to write to the medium
141	cpio	001	CoPy In/Out (UNIX file format and command)
142	tar	002	Tape ARchive
143	highSierra	003	high sierra file system
144	iso9660	004	information processing – volume and file structure of CD_ROM
145	iso9660RockRidge	005	rock ridge interchange protocol (UNIX)
146	iso9660AppleHFS	006	hierarchical file system (Macintosh)

10. MD_MediumNameCode

	Name	Domain Code	Definition
150	MD_MediumNameCode	MedNameCd	name of the medium
151	cdRom	001	read-only optical disk
152	dvd	002	digital versatile disk
153	dvdRom	003	digital versatile disk, read-only
154	3halfinchFloppy	004	3.5 inch magnetic disk
155	5quarterInchFloppy	005	5.25 inch magnetic disk
156	7trackTape	006	7 track magnetic tape
157	9trackTape	007	9 track magnetic tape
158	3480Cartridge	008	3480 cartridge tape drive
159	3490Cartridge	009	3490 cartridge tape drive
160	3580Cartridge	010	3580 cartridge tape drive
161	4mmCartridgeTape	011	4 millimeter magnetic tape
162	8mmCartridgeTape	012	8 millimeter magnetic tape
163	1quarterInchCartridgeTape	013	0.25 inch magnetic tape
164	digitalLinearTape	014	half inch cartridge streaming tape drive
165	online	015	direct compute linkage

	Name	Domain Code	Definition
166	satellite	016	linkage through a satellite communication system
167	telephoneLink	017	communication through a telephone network
168	hardcopy	018	pamphlet or leaflet giving descriptive information

11. MD_ObligationCode

	Name	Domain Code	Definition
170	MD_ObligationCode	ObCd	obligation of the element or entity
171	mandatory	001	element is always required
172	optional	002	element is not required
173	conditional	003	element is required when a specific condition is met

12. MD_ProgressCode

	Name	Domain Code	Definition
180	MD_ProgressCode	ProgCd	status of the dataset or progress of a review
181	completed	001	production of the data has been completed
182	historicalArchive	002	data has been stored in an offline storage facility
183	obsolete	003	data is no longer relevant
184	onGoing	004	data is continually being updated
185	planned	005	fixed date has been established upon or by which the data will be created or updated
186	required	006	data needs to be generated or updated
187	underdevelopment	007	data is currently in the process of being created

13. MD_RestrictionCode

	Name	Domain Code	Definition
190	MD_RestrictionCode	RestrictCd	limitation(s) placed upon the access or use of the data
191	copyright	001	exclusive right to the publication, production, or sale of the rights to a literary, dramatic, musical, or artistic work, or to the use of a commercial print or label, granted by law for a specified period of time to an author, composer, artist, distributor
192	patent	002	government has granted exclusive right to make, sell, use or license an invention or discovery
193	patentPending	003	produced or sold information awaiting a patent
194	trademark	004	a name, symbol, or other device identifying a product, officially registered and legally restricted to the use of the owner or manufacturer
195	license	005	formal permission to do something
196	intellectualProperty Rights	006	rights to financial benefit from an control of distribution of non-tangible property that is a result of creativity
197	restricted	007	withheld from general circulation or disclosure
198	otherRestrictions	008	limitation not listed

14. MD_ScopeCode

	Name	Domain Code	Definition
200	MD_ScopeCode	ScopeCd	class of information to which the referencing entity applies
201	attribute	001	information applies to the attribute class
202	attributeType	002	information applies to the characteristic of a feature
203	collectionHardware	003	information applies to the collection hardware class
204	collectionSession	004	information applies to the collection session
205	dataset	005	information applies to the dataset
206	series	006	information applies to the series
207	nonGeographicDataset	007	information applies to non-geographic data
208	dimensionGroup	008	information applies to a dimension group
209	feature	009	information applies to a feature
210	featureType	010	information applies to a feature type
211	propertyType	011	information applies to a property type

	Name	Domain Code	Definition
212	fieldSession	012	information applies to a field session
213	software	013	information applies to a computer program or routine
214	service	014	information applies to a capability which a service provider makes available to a service user entity through a set of interfaces that define a behavior, such as a use case
215	model	015	information applies to a copy or imitation of an existing or hypothetical object
216	tile	016	information applies to a tile, a spatial subset of geographic data

15. MD_SpatialRepresentationTypeCode

	Name	Domain Code	Definition
220	MD_SpatialRepresentationTypeCode	SpatRepTypCd	method used to represent geographic information in the dataset
221	vector	001	vector data is used to represent geographic data
222	grid	002	grid data is used to represent geographic data
223	textTable	003	textual or tabular data is used to represent geographic data
224	tin	004	triangle irregular network
225	stereoModel	005	three-dimensional view formed by the intersecting homologous rays of an overlapping pair of images
226	video	006	scene from a video recording

16. MD_TopicCategoryCode

	Name	Domain Code	Definition
230	MD_TopicCategoryCode	TopicCatCd	high-level geographic data thematic classification to assist in the grouping and search of available geographic data sets. Can be used to group keywords as well. Listed examples are not exhaustive. NOTE It is understood there are overlaps between general categories and the user is encouraged to select the one most appropriate
231	farming	001	rearing of animals and/or cultivation of plants

	Name	Domain Code	Definition
232	biota	002	flora and/or fauna in natural environment
233	boundaries	003	legal land descriptions
234	climatology Meteorology Atmosphere	004	processes and phenomena of the atmosphere
235	economy	005	economic activities, conditions and employment
236	elevation	006	height above or below sea level
237	environment	007	environment resources, protection and conservation
238	geoscientific Information	008	information pertaining to earth sciences
239	health	009	health, health services, human ecology, and safety
240	imageryBaseMaps EarthCover	010	base maps
241	intelligenceMilitary	011	military bases, structures, activities
242	inlandWaters	012	inland water features, drainage systems and their characteristics
243	location	013	positional information and services
244	oceans	014	features and characteristics of salt water bodies (excluding inland waters)
245	planningCadastre	015	information used for appropriate actions for future use of the land
246	society	016	characteristics of society and cultures
247	structure	017	man-made construction
248	transportation	018	means and aids for conveying persons and/or goods
249	utilitiesCommunication	019	energy, water and waste systems, and communications infrastructure and services

17. NOAA defined spatial reference systems

	Name	Definition
250	Spatial reference system	Spatial reference systems for which NOAA maintains ISO 19115 code blocks. Note: this is an ISO enumeration (not an ISO codeList).
251	NAD27	North American Datum 1927 EPSG::4267
252	NAD83	North American Datum 1983 EPSG::4269
253	Clarke1866	Clarke 1866 EPSG::7008

	Name	Definition
254	GRS80	Geodetic Reference System 1980 EPSG::7019
255	WGS84	World Geodetic System 1984 EPSG::4326 (default)
256	NAVD88	North American Vertical Datum EPSG::5103
257	MLW	Mean Low Water depth EPSG::5867
258	MLLW	Mean Lower Low Water depth EPSG::5866
259	MHW	Mean High Water height EPSG::5868
260	MHHW	Mean Higher High Water height EPSG::5869

18. ADIwg specific codes

	Name	Domain Code	Definition
	Code Name	Code	Domain: definition
117	Instrument	ADIwg-001	MD_KeywordTypeCode : keyword identifies an instrument