

*for Information Systems -
Spatial Data Transfer Standard (SDTS) -
Part 2, Spatial Features*

DRAFT

American National Standard
for Information Systems -
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Part 2, Spatial Features

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Secretariat

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American National Standard for Information Systems

Spatial Data Transfer Standard - Part 2, Spatial Features

1 Introduction

This part of the standard responds to the need for common definitions of spatial features in the process of data transfer. The conceptual model and defined terms are the foundation for exchanging data between existing digital cartographic systems and may also be used as a viable approach to creating a new spatial feature file.

Traditional map symbols and their digital code equivalents often refer to real world features which have been defined only in the mind of the cartographer responsible for compiling the data. Even when agencies make an effort to define systematically the features portrayed in their data bases, these definitions are likely to vary from one organization to another. Thus, agreement on a common format for data exchange is not sufficient to ensure that the information provided by the supplier organization will be meaningful or useful to the receiving organization.

In order to facilitate transfer of data that is meaningful both to exporters and to importers, a common bridge of well understood feature definitions is required. The feature and attribute lists and definitions contained in the annexes to part 2 are a first step in this direction. These lists and definitions are the product of several years of effort during which approximately 2,600 definitions of geographic features were compared and distilled into the initial list of 200 entity types. The definitions of these entity types encompass the meanings found in the definitions of over 1,200 alternative terms.

1.1 Purpose

The purpose of part 2 is to provide a common classification and meaningful definitions for the spatial features identified in a transfer.

1.2 Objectives

Based on the sources consulted at the time of the preparation of this part of the standard, existing hydrographic and topographic features could, with few exceptions, be encoded to one of the 200 defined standard entity types, thereby facilitating transfer between organizations that might otherwise differ on the nuances of their particular term for, or definition of, essentially the same real-world phenomenon.

This list and these definitions are not presented as a definitive product, but as a living compendium subject to future amendments and extensions to meet the diverse needs of the spatial data community.

The primary focus of this initial effort is on topographic and hydrographic features, using sources available at the time of preparation. Among the extensions anticipated are (a) updating to accommodate new topographic and hydrographic products and (b) addition of features from other disciplines concerned with the exchange of spatially referenced geographic information.

Because all spatial data are likely to be exchanged in the future, organizations considering the development of new data bases may use these standard categories as the basis for classifying phenomena to be entered into such data bases.

2 Conceptual Model

2.1 Definitions

Spatial features are defined entity types and the representation of instances of those types by spatial objects, as specified in section 2 of part 1.

Spatial features shall be described by the concepts: Entity Type, Entity Instance, Attribute, and Attribute Value; and by the terms Standard and Included. These are defined as follows:

2.1.1 Entity Type - the definition and description of a set into which similar entity instances are classified (e.g., bridge).

2.1.2 Entity Instance - a spatial phenomenon of a defined type that is embedded in one or more phenomena of a different type, or that has at least one key attribute value different from the corresponding attribute values of the surrounding phenomena

(e.g., the 10th Street Bridge).

2.1.3 Attribute - a defined characteristic of an Entity Type (e.g., composition).

2.1.4 Attribute Value - a specific quality or quantity assigned to an attribute (e.g., steel) for a specific Entity Instance.

2.1.5 Standard Term - primary label of an Entity Type or Attribute (listed in annex A and B).

2.1.6 Included Term - nonstandard label of an Entity Type or Attribute that is cross-referenced to a Standard Term of an Entity Type or Attribute. Included Terms used in more than one context may be cross-referenced to more than one Standard Term. (See annex C.)

2.2 Conceptual Approach

Many feature classification schemes are based on a hierarchical system. This standard specifically avoids adopting any particular hierarchy, in part because the higher level classifications differ from one organization to another. Hierarchical classification, if desired, may be constructed using standard attributes (such as air/land/water, or manmade/natural) or through user-defined non-standard attributes.

Network, relational, and object-oriented structures of feature data may also be constructed from this non-hierarchized list of standard features and attributes.

The features presented are defined independently of map or geographic scale. Scale independence implies that no specific spatial object (such as a point, line, or area representation) is necessarily used to represent a given Entity Type. Further, the list includes features defined at any level of geographic interest, from mountain ranges and oceans to sidewalks and trees.

3 Scope and Field of Application

3.1 Scope

This part of the standard applies to the terms and definitions used for Entity Types, Attributes, and Attribute Values in a transfer. The terms may appear in the Data Dictionary/Definition, Data Dictionary/Domain, Data Dictionary/Schema, Attribute Primary, and Attribute Secondary module types as specified in part 1. Definitions included in part 2 need not be repeated in a Data Dictionary/Definition module in a given transfer, provided that

the Standard Term is used with its standard meaning.

The definitions of standard Entity Types are mutually exclusive, but not exhaustive. Future extensions are anticipated.

3.2 Field of Application

There are two intended applications of this part of the standard for systems employing spatial data in digital form: a) new users will have a model and the definitions needed for creating a features set, and b) transfer of the meaning of feature information between existing systems will be facilitated.

4 Relationship to Other Standards

Federal Information Processing Standard codes exist for the instances of certain Entity Types, for example states of the United States (FIPSPUB 5-2). By implication, the Entity Type for which these codes are provided (i.e., states and outlying areas of the United States) has already been recognized as a standard Entity Type.

Many federal agencies have agency standards for the classification and definition of features within their particular realms of responsibility. This standard is not intended to replace existing agency standards, but to provide a basis whereby existing data can be shared with other organizations that do not necessarily accept the same terms and definitions for similar real-world phenomena. Depending on the conformance level selected and the functional requirements of a particular transfer, each agency may find it useful to develop a cross-reference between its internal feature and attribute classification system and the Standard Terms and definitions in annexes A and B.

5 References

Selected references used in the preparation of part 2 of the standard are included in annex F of part 1. The following is a short list of the authors included in these references:

- Canadian Council on Surveying and Mapping
- Defense Intelligence Agency
- Defense Mapping Agency
- Monkhouse, F.J.

- Moore, W.G.
- Stamp, D.
- U.S. Geological Survey, Geographic Names Information System
- U.S. National Ocean Service

This list will be updated and expanded as additional feature lists and definitions are submitted to the maintenance authority.

6 Conformance

All entity type, attribute, and attribute value terms and (or) codes used in a transfer shall be defined. Non-standard Entity Type and Attribute terms shall be specified through the use of the Data Dictionary/Definition module. Attribute Value terms shall be defined in the Data Dictionary/Domain module. See also part 1, 4.1.3.6 (Attributes).

The mandatory Features Level subfield of the Identification Module specifies the conformance level of a transfer with respect to feature definitions (see part 1, 5.2.1.2.3). Use of conformance levels 2, 3, or 4 for features limits the scope of transfer and are discouraged. Recurring needs to resort to non-standard terms and definitions should be referred to the maintenance authority, for possible amendment and extension of the standard.

7 Status of Annexes

Annex A contains definitions for standard Entity Type terms. Annex B contains definitions for standard Attribute terms. Annex C contains cross-reference lists between Included Terms and Standard Terms.

These annexes are normative in that they shall be used for transfers of feature conformance levels 1 and 2, as described in part 1, 5.2.1.2.3. However, use of the terms and definitions contained in these annexes is optional for feature conformance levels 3 and 4.

Annex A
(normative)

Entity Types

AIRPORT	A facility, either on land or water, where aircraft can take off and land; usually consists of hard-surfaced landing strips, a control tower, hangars, and accommodations for passengers and cargo.
ALLUVIUM	All unconsolidated fragmental material laid down by a stream.
AMMUNITION_DUMP	A military installation used for the storage of explosives and other warlike stores.
ANTENNA	A metallic apparatus for sending and receiving electro-magnetic waves.
ANTENNA_ARRAY	A group of directional antennas.
APPROACHWAY	The airspace through which aircraft approach or leave a landing area.
ARCH	A curved structure that supports the weight of material over an open space.
BACKWATER	An area of calm water unaffected by the current of a stream.
BAR	A submerged or emerged mound, ridge, or succession of ridges of sand or other material extending across the bottom, and which may obstruct navigation.
BASIN	Any bowl-shaped depression in the surface of the land or ocean floor.
BEACH	The gently sloping shore which is washed by waves or tides, especially the parts covered by sand or pebbles.
BEACON	A fixed signal, mark, or light and associated facilities erected for the guidance of mariners or airplane pilots.
BERTH	The place where a ship lies when at anchor secured to a pier or wharf.
BOTTOM	The portion of the ground surface which lies below water.
BOUNDARY	A nonphysical line indicating the limit or extent of an area or territory.
BREAKERS	A zone or region of waves breaking into foam as they advance toward the shore.
BREAKWATER	A structure built to break the force of waves so as to protect a beach, harbor, or other waterfront facility.
BRIDGE	A structure erected over a depression or obstacle to carry traffic or some facility such as a pipeline.
BRIDGE_SUPERSTRUCTURE	Those elements of the bridge structure which are above the uppermost deck.
BUILDING	A permanent walled and roofed construction.
BUILDING_COMPLEX	A group of buildings and associated facilities functioning together as a unit.
BUOY	A float moored or anchored in water.

CABLEWAY	A conveyor system in which carrier units run on wire cables string between supports.
CAMPGROUND	The ground or area on which tents, huts, etc., are erected for temporary shelter.
CAPE	A relatively extensive land area jutting into a water body, which prominently marks a change in or interrupts notably the coastal trend of that water body.
CATCHMENT	An area drained by a single watercourse; a natural drainage area which may coincide with a river basin, in which the divides direct the water from the rainfall and percolation into a river. However, where underground flow is involved, the catchment may be larger or smaller than that that may be apparent from the surface relief.
CAVE	Naturally formed, subterranean open area or chamber.
CEMETERY	A place for burying the dead.
CHIMNEY	A structure containing a passage or flue for discharging smoke and gases from combustion.
CIRQUE	A deep natural hollow near the crest of a mountain.
CLEARING	An open area in a forest.
CLIFF	A high, steep, or overhanging face of rock.
COAST	The general region of indefinite width that extends from the sea inland to the first major change in terrain features.
CONTINENT	One of the large, unbroken masses of land into which the Earth's surface is divided.
CONTROL_POINT	A point of known location.
CRATER	Circular-shaped depression at the summit of a volcanic cone or on the surface of the land.
CREVASSE	A deep fissure in snow or ice.
CRIB	A crate-like construction of logs or beams, usually filled with stones, placed in water as a free standing mooring device or as the foundation of a pier or wharf.
CROPLAND	Land that has been plowed or otherwise cultivated.
CUT	An excavation of the Earth's surface to provide passage for a road, railway, canal, etc.
DAM	A barrier constructed across a watercourse to control the flow or raise the level of water.
DELTA	A tract of alluvium formed at the mouth of a river where the deposition of some of its load exceeds its rate of removal, crossed by the divergent channels (distributaries) of the river.
DEMILITARIZED_ZONE	An area in which military activity is prohibited.

DESERT	A region rendered barren or partially barren by environmental extremes, especially by low rainfall.
DRY_DOCK	An artificial basin fitted with gate or caisson into which a vessel may be floated and from which the water may be pumped out to expose the bottom of the vessel.
DUMPING_GROUND	Area designated for dumping various types of materials.
EARTH_SURFACE	The outermost surface of the land and waters of the planet.
EMBANKMENT	A raised structure of earth, ground, etc.
EXHIBITION_GROUND	A public area containing buildings, paddocks, etc., for the display of livestock, agricultural produce, machinery, etc.
FARM	A tract of crop or grazing land, as well as the group of buildings with and often surrounding a farmhouse, including barns, sheds, and other outbuildings, used for agricultural production.
FAULT	A fracture in the Earth's crust with displacement on one side of the fracture relative to the other.
FENCE	An enclosure or barrier made of wire, rails, slats or other relatively light material, as opposed to a wall which is of stone or other heavy material.
FILTRATION_BEDS	An area containing layers of material used to filter or aerate water.
FISH_HATCHERY	A facility used for the spawning of fish which are subsequently used to stock lakes and streams.
FISH_LADDER	A facility consisting of a series of small pools each one slightly higher than the preceding, built around a dam to enable fish to make their way upstream.
FISH_TRAP	A device used to catch fish.
FISHING_GROUND	A water area in which fishing is frequently carried on.
FLAT	A level tract lying at a small depth below the surface of water, or alternately covered and left bare by the tide.
FLOOD_PLAIN	An area which is subject to periodic flooding.
FORD	The shallow part of a river which can be easily crossed.
FORT	A fortified place or position.
FUMAROLE	A hole in the Earth's crust from which steam and gases are emitted.
GANTRY	A frame structure raised on side supports so as to span over or around something.
GAP	Low point or opening between hills or mountains or in a ridge or mountain range.
GATE	A structure that may be swung, drawn, or lowered to block an entrance or passageway.

GEYSER	An intermittent fountain of hot water ejected with force from a hole in the Earth's crust.
GOLF_COURSE	An area set out for the playing of golf.
GRANDSTAND	A usually roofed structure for viewing events and having tiers of seats for spectators.
GRASSLAND	An uncultivated area of grass or grass-like vegetation.
GRAVE	A place within a graveyard used for burial.
GROUND	The solid portion of the Earth up to and including the ground surface.
GROUND_SURFACE	The land surface of the Earth, both exposed and underwater.
GUARD_RAIL	A strong fence or barrier to prevent vehicles from leaving the roadway, or for people's safety.
HARBOR	An area of water where ships, planes or other watercraft can anchor or dock. Also spelled HARBOUR.
HEADWATERS	The upper part of a river system, denoting the upper basin and source streams of a river.
HEDGE	A dense growth of shrubbery planted as a fence or boundary.
HELIPAD	A transportation structure used for the landing of helicopters.
HOPPER	A top loading funnel-shaped structure for temporary storage of loose materials which will be dispensed from its bottom.
ICE_FIELD	Large area of permanent sea or land ice.
ICE_RINK	A surface of ice for ice skating.
ICEBERG	A large mass of detached land ice in the sea or stranded in shallow water.
INDIAN_RESERVATION	An area set aside for the use of an indian tribe or tribes.
INLET	An opening of the sea into the land, or of a lake into its shore.
INSHORE_TRAFFIC_ZONE	A designated area between the landward boundary of a traffic separation scheme and the adjacent coast, intended for local traffic.
INTERSECTION	The junction of roads or tracks.
IRRIGATION_SYSTEM	A system designed to supply land with water.
ISLAND	Area of dry or relatively dry land surrounded by water or low wetland.
ISLAND_CLUSTER	A group of islands.
ISTHMUS	Narrow section of land in a body of water connecting two larger land areas.
LAGOON	A sheet of salt water separated from the open sea by sand or shingle banks. The sheet of water between an offshore reef, esp. of coral and mainland. The sheet of water within a ring or horseshoe shaped atoll.
LAKE	Any standard body of inland water.

LANDING_PLACE	A place for loading and unloading passengers or cargo to and from water vessels.
LANE	A prescribed course for ships or aircraft, or a strip delineated on a road to accommodate a single line of automobiles; not to be confused with the road itself.
LAUNCHING_RAMP	A transportation structure used for launching boats.
LOCK	An enclosure in a water body with gates at each end to raise or lower vessels as they pass from one level to another.
MARINA	A harbor facility for recreational craft where supplies, repairs, and various services are available.
MILITARY_BASE	An area owned and operated by the government in which various military activities take place.
MILITARY_BUNKER	A military strong point, usually part of an extensive fortification.
MINE	An excavation in the Earth for the purpose of extracting earth materials.
MINE_FIELD	An area where explosive mines have been anchored or sunk in water or buried on land.
MISSILE_SITE	An area for housing and launching guided missiles.
MOBILE_HOME	A trailer that is a permanent dwelling and is designed without a permanent foundation.
MOBILE_HOME_PARK	An area maintained for the parking of inhabited mobile homes.
MONUMENT	A structure erected as a memorial.
MOORING	The place where a craft may be secured to the ground, wharf, pier, post, or buoy.
MORaine	An accumulation of boulders, stones, or other debris carried and deposited by a glacier.
MOUNT	A mountain or hill.
MOUNT_RANGE	A series of connected and aligned mountains or mountain ridges.
MOUTH	The exit or point of discharge of a stream into another stream, lake or sea.
OASIS	A small, isolated, fertile or green area in a desert region, usually having a spring or well.
OFF_ROAD_VEHICULAR_AREA	An area for the testing of, or use by, vehicles that are designed to travel across the terrain.
OFFSHORE_PLATFORM	A raised surface located in a sea.
OIL_FIELD	An area where petroleum is or was removed from the Earth.
OUTDOOR_THEATER	An outdoor area consisting of a stage or other focal point, and an area where the audience can be seated.

OVERFALLS	Short breaking waves occurring when a current passes over a shoal or other submarine obstruction or meets a contrary current or wind.
OVERRUN/STOPWAY	An area beyond the take-off runway able to support an airplane during an aborted take-off.
PARK	A place or area set aside for recreation or preservation of a cultural or natural resource.
PARKING_AREA	An area set aside for the parking of motor vehicles.
PEAK	The summit of a mountain.
PENINSULA	A body of land jutting out into and nearly surrounded by water.
PIER	A structure built out into the water, usually with its greatest dimension at right angles to the shore, forming a landing place or a place alongside which vessels can lie.
PILING	A set of posts forced into the earth to serve as a support, as for a pier, or to resist lateral pressure.
PILOT_WATERS	Areas in which the services of a marine pilot are essential.
PINNACLE	A tall, slender, spire-shaped rock projecting from a level or more gently sloping surface.
PLACE	An area with definite or indefinite boundaries.
PLAIN	A region of general uniform slope, comparatively level, and of considerable extent.
PLATEAU	An elevated and comparatively level expanse of land.
PLUNGE_POOL	A hollow eroded by the force of the falling water at the base of a waterfall, particularly by the eddying effect.
POLYNA	Any enclosed water area in pack ice other than a lead, not large enough to be called open water. When frozen over, a polyna becomes an ice skylight from the point of view of the submariner. Also called BIG CLEARING, CLEARING, GLADE, ICE CLEARING, POOL, REGIONAL CLEARING.
PORT	A landing place provided with terminal and transfer facilities for loading and discharging cargo or passengers, usually located in a harbor.
POST	A long relatively slender, and generally round piece of wood or other material.
PUMP_OUT_FACILITY	A holding place where ship's bilges and cargo are pumped.
PYRAMID	An ancient structure having a broad base with sides narrowing towards the top.
QUICKSAND	A bed of loose sand mixed with water forming a soft, shifting mass that yields easily to pressure.
RACETRACK	A course laid out for racing.
RADAR_DOME	A dome shaped structure used to protect the antenna of a radar installation.

RADAR_REFLECTOR	A device capable of or intended for reflecting radar signals.
RAILWAY	A permanent way having one or more rails which provides a track for cars.
RAILWAY_YARD	An area provided with a system of tracks where railroad trains are made up and cars are switched, stored, or serviced.
RAPIDS	An area of broken, fast flowing water in a stream, where the slope of the bed increases (but without a prominent break of slope which might result in a waterfall), or where a gently dipping bar of harder rock outcrops.
REEF	A ridge of rocks, lying near the surface of the sea, which may be visible at low tide, but is usually covered by water.
REFUELING_TRACK	Airspace designated for conducting aerial refueling.
RESERVE	A tract of land set aside for a specific use.
RESTRICTED_AREA	An area of air, land, or water in which travel or other activities are subject to specified conditions or constraints.
REVTMENT	A facing, other than a wall, of stone, concrete, wood, etc., built to sustain an embankment.
RIDGE	A long and narrow upland with steep sides.
RIDGE_LINE	The line separating drainage basins.
RIG	Vertical structure fitted for drilling or lifting operations.
ROAD	An open way for the passage of vehicles, persons, or animals on land.
ROCK	An isolated rocky formation or a single large stone, usually one constituting a danger to navigation. It may be always submerged, always uncovered, or alternately covered and uncovered by the tide.
ROUNDBABOUT	Area of water subject to a routing measure restricting ship movement to a counter-clockwise direction.
RUNWAY	A straight path used for landing, taxiing, and take-off of aircraft.
SALT_PAN	An area of salt deposits.
SEA	The great body of salt water of the oceans.
SHAFT	A long narrow passage sunk in the earth.
SHINGLE	A collection of loose pebbles on the shore of the sea or a lake.
SHIPYARD	A yard or area where ships are built or repaired.
SHORE	That part of the land in immediate contact with a body of water including the area between high and low water lines.
SHORELINE	The line of contact between a body of water and the land.
SIGN	A roadway associated feature which provides information to people passing.
SKI_AREA	An area used for skiing.

SKI_JUMP	A ramp used for ski jumping.
SNAG	A stem or trunk of a tree above or below the surface of the water.
SNOWFIELD	A region of permanent snow in mountainous areas or high latitudes.
SOLAR_PANEL	A unit of solar cells for converting sunlight into electrical energy or heat.
SPORTS_FIELD	A field on which sporting activities are carried out.
SPRING	The place where water issues from the ground naturally.
STADIUM	Large often unroofed structure in which athletic events are held.
STOCKYARD	An enclosed area in which livestock are temporarily kept.
SWASH	The mass of broken foaming water which rushes bodily up a beach as a wave breaks. Synonymous with SEND.
TALUS	Slopes of broken rock debris on a mountainside.
TANK	A structure used for the storage of fluids.
TENNIS_COURT	A recreational area used for playing tennis.
TERRACE	A step-like feature between higher and lower ground: a relatively flat or gently inclined shelf of earth, backed and fronted by steep slopes or man-made retaining walls.
TIDAL_GAUGE	An instrument for measuring the height of the tide.
TIME_ZONE	A geographic region within which the same standard time is used.
TOWER	A tall framework or structure, the elevation of which is functional.
TRAFFIC_SEPARATION_SCHEME_AREA	Area of water with lanes designated to separate opposing streams of vessel traffic.
TREE	A woody perennial plant, having a self-supporting main stem or trunk.
TROUGH	A long depression of the sea floor.
TUNDRA	A treeless area poleward or upward of the tree line of arctic or alpine regions, having a permanently frozen subsoil and supporting low-growing vegetation such as lichens, mosses, and stunted shrubs.
TUNNEL	An underground or underwater passage.
TURNING_BASIN	A water area used for turning vessels.
TURNTABLE	A circular horizontal rotating platform equipped with a railway track, used for turning locomotives, as in a roundhouse.
UTILITY	A linear distribution system consisting of pipelines, high tension wires, cables, etc., providing a public service and usually subject to government regulations.
VALLEY	A long, narrow depression in the Earth's surface, usually with a fairly regular downslope.

WALL	An upright structure of masonry, wood, plaster, or other building material serving to enclose, divide, or protect an area.
WATERCOURSE	A way or course through which water may or does flow.
WATERFALL	A sudden descent of water over a step or ledge in the bed of a river.
WATER_SURFACE	The water portion of the Earth's surface, including the surface of sea and inland waters.
WATERING_PLACE	A place other than a spring or well where vessels and vehicles replenish their water supply.
WELL	A pit or hole dug or bored into the earth, for the extraction of oil, water, other fluids or gases.
WETLAND	A vegetated area that is inundated or saturated by surface or groundwater.
WHARF	A structure extending parallel to the shoreline so that vessels may lie close alongside to receive and discharge cargo.
WIND_INDICATOR	A visual device used to provide wind information.
WINDBREAK	A shelter, either natural (e.g., a line of trees or a thick hedge) or artificial (a screen), which breaks or interrupts the force of the wind.
WINDMILL	A mill or other machine that runs on the energy generated by a wheel of adjustable blades or flats rotated by the wind.
WOODLAND	Land having a cover of trees, shrubs, or both.
WRECK	A wrecked vessel, either submerged or visible, which is attached to or foul of the bottom or cast up on the shore.
ZONE_OF_OCCUPATION	An area, usually temporary, held and controlled by a foreign military force.

Annex B

(normative)

Attributes

ABANDONED	Deserted.
ACCESS	The type of connection available to a given transportation feature.
ACIDITY	The degree to which hydrogen ions are held by soil colloids or water.
ACTIVE/INACTIVE	Engaged in activity versus no longer in use.
ADMINISTRATION	The organization that has charge of or directs or manages the operation of the feature.
AERONAUTICAL_ NAVIGATIONAL	Involving transmission of special radio signals intended to assist in the determination of aircraft position including that relative to collision hazards.
AGE	The first year in existence.
AIR/LAND/WATER	Existing in or part of the atmosphere, the Earth's dry surface, or a body of water.
AIRCRAFT_LANDING	Suitable for or designed for aircraft to descend toward and settle on.
ALTITUDE	The height of a thing above a reference level, especially above the Earth's surface. See also HEIGHT, ELEVATION.
ANNUAL_PRECIPITATION	The quantity of rain and snow falling within the period of a year.
ARCHITECTURAL_ PROPERTIES	The style or method of design or construction.
AREA	The measure of a planar region of the Earth's surface.
AREA_DIVIDED	The part of the Earth's surface apportioned.
ARTIFICIALLY_IMPROVED/ MANMADE/NATURAL	Artificially improved: naturally existing feature with manmade alterations; manmade: made by man rather than occurring in nature; natural: present in or produced by nature.
ATTACHED_TO_LAND	Connected to a body of land.
BARE	Exposed, not covered with such things as ice, snow or trees.
BEARING_CAPACITY	The ability of a surface or a structure to bear weight.
BLIND/OPEN	Blind, not having an outlet versus open, allowing continuous passage.
BOUNDARY_MARKER	Serving to preserve and identify the location of the boundary line.
BRAIDED	Split into many parts or choked with sandbars that divide it into an intricate network of interlacing channels.
BRANCH/PARENT	Relationship between a main stream and one of its tributaries.
BUILDINGS_NUMBER_OF	The number of permanent walled constructions present.
BUOYED	Marked with buoys used as navigation aids.

CARGO_TRANSPORTATION	Used for the moving of freight from one place to another.
CHAMBERS_NUMBER_OF	The number of enclosed spaces or compartments.
CHARTED_DEPTH	The vertical distance from the tidal datum to the bottom.
CIRCUMFERENCE	The length of the boundary line of any closed curvilinear feature.
CLEARANCE	The vertical distance from a surface to the nearest overhead obstruction.
COASTAL	Pertaining to the edge of land next to the sea.
COG	Equipped with teeth to transmit motive force to a corresponding wheel.
COLOR	That aspect of things that is caused by differing wave lengths of light reflected or emitted by them.
COLOR_PATTERN	The color or combination of colors in the geometrical design or pattern.
COMMERCIAL	Used or exploited for financial gain.
COMMERCIAL_SHIPPING	Travel or traffic by water vessels carrying commercial goods.
COMMUNICATION/ NONCOMMUNICATION	Used for transmission or reception of communication signals versus not used for the transmission or reception of communication signals.
COMPOSITION	The specified mixture or combination of one or more elements or ingredients.
CONNECTED_BY_ SWITCHES/MAIN_TRACK	Connected by switches: a railway segment such as a siding or spur, requiring passing through a switch to gain access to the main track.
CONSTRICTION	Having a narrow place in the feature.
CONSTRUCTION_TYPE	The structural configuration of a feature.
CONTINENTAL_DIVIDE	Separates drainage basins that flow to opposite sides of a continent.
CONTROL	To exercise authority or dominating influence over; direct; regulate/verify.
CONTROL_OVER_WATER_ LEVEL	Having some means of regulating the height of a specific body of water.
CONTROLLING_DEPTH	The least depth in the approach or channel to an area governing the maximum draft of vessels that can enter.
CONTROLLED/ UNCONTROLLED	Authority or dominating influence exercised over; directed; applies to air traffic near and at an airport.
COVERED/UNCOVERED	Having something placed over the feature versus not having anything over it.
CROP_USE	The employment or purpose of an agricultural product.
CROSS_SECTIONAL_AREA	A section formed by a plane cutting through an object at right angles to an axis.
CULTIVATED	Improved and prepared land; plowed or fertilized or tended for growing crops.

DANGER_TYPE	The kind of or source of peril.
DANGEROUS	Involving or fraught with danger; perilous. Apt or able to do harm.
DECIDUOUS/EVERGREEN	Deciduous, characterized by shedding foliage at the end of its growing season.
DENSITY_OF_GROWTH	The degree or measured degree to which the area is filled or occupied by plant life.
DEPTH_BELOW_GROUND_SURFACE	Distance downward from the elevation of the local ground surface to the bottom of a feature.
DIAGNOSTIC	Used to check system accuracy.
DIAMETER	The length of a line segment passing through the center of a circular shaped feature.
DIRECTION	The relationship by which the alignment or orientation of any position with respect to any other position is established.
DIRECTION_OF_FLOW	The line or course of movement of water or lava shown by the position of one point relative to another without reference to the distance between them. The direction is usually indicated in terms of its angular distance from a reference direction.
DISCHARGE	Cubic measure of water flowing per unit of time.
DISCOLORED	Having a changed or spoiled color.
DRAINAGE	Used for removing water from the ground surface.
DRAINED	Water has been drawn off the ground surface.
DREDGED	Deepened by various machines equipped with scooping or suction devices usually attached to barges or boats.
DUAL_GAUGE	Having a third rail to permit use by non-standard gauge rolling stock.
DWELLING	Used as a residence or an abode.
EDDIES_PRESENT	Presence of currents moving contrary to the direction of the main current especially in a circular motion.
ELECTRIFIED	Equipped for use by electric power driven engines.
EMBANKED	Confined, supported or protected by a piled up mass.
ELEVATION	Vertical distance above or below a vertical datum, especially on the Earth's surface. See also ALTITUDE and DEPTH_BELOW_GROUND_SURFACE.
EMBEDDED_IN_PAVEMENT	Permits land vehicles to travel along a railway.
ENCLOSED	Surrounded on all sides by for example a fence.
EQUIPMENT_PRESENT	Devices or machinery or tools present.
EVENT_HELD	The organized program or parts of a program taking place at the site.

EXERCISE	Used for activities that require physical exertion especially when performed to develop or maintain fitness.
EXISTING/PROPOSED	Previously constructed and presently existing versus in the planning stage.
EXPOSED/SHELTERED	Not protected versus protected as from the weather.
EXTERNAL_ CONSTRUCTION_MATERIAL	The specified mixture or combination of elements used to construct the outer layer of the feature.
FACILITIES_PRESENT	The structures or installations available for enhancing the use of the feature being described.
FALLOW	Cultivated land that is allowed to lie idle during the growing season.
FEATURE_BOUNDED	The feature that has its border identified or marked.
FEATURE_CONNECTED	Another feature which is joined to the feature being described.
FEATURE_CROSSED_ CONNECTED	The feature that is passed under by the feature being described.
FEATURE_MARKED	The feature that is distinguished by some physical sign, symbol or visible impression or some physical object.
FEATURE_PRESENT	Presence of one feature within another feature, for example, dam in watercourse, breakwater in harbor.
FEATURE_SPANNED	A feature that the feature being described crosses above without joining.
FEATURE_SUPPORTED	The feature that has its weight borne from below by the feature being described.
FIRE_LINE	Cleared or plowed strip of land to stop the spread of fire.
FLOATING	Suspended within or on the surface of water.
FLOOD_CONTROL	Designed for the control or drainage of a rising and overflowing body of water.
FLOOD_FREQUENCY	How often an area is subject to inundation.
FLOODED	Inundated with or submerged under an excess amount of water.
FORCE_OF_FLOW	The strength of energy exerted by the movement of water or lava.
FORM_RATIO	The relationship between the depth and width of a stream, expressed as a ratio.
FOUL_GROUND	Having holding qualities for anchoring that are poor, or where danger of striking or fouling the ground or other obstructions exist.
FUNCTION	The activity or need that the feature is designed for or adapted to.
GAS_EMITTED_TYPE	Kind of gaseous substance released.
GLACIAL	Of, pertaining to or derived from a glacier.
GRADE_SEPARATION	An intersection using an overpass or underpass.

GRAZING	Land which supplies herbage for grazing animals.
GROWING_PATTERN	The layout or arrangement of growing plant life.
GROWING_SEASON	The period of time during the year characterized by environmental conditions suitable for planting and growing crops.
HEIGHT	The vertical distance from the base to the top.
HORIZONTAL/VERTICAL	Parallel to or in the plane of the horizon versus perpendicular to the plane of the horizon.
HYDRAULIC_RADIUS	The ratio between the cross-sectional area of a stream and its wetted perimeter.
HYDROELECTRIC_POWER	Used for the production of electricity by water power.
ICE_PRESENT	Containing water which is either partially or completely frozen.
INCORPORATED/ UNINCORPORATED	United or combined into an organized body which is maintained through a series of laws or rules.
INFORMATION_DISPLAYED	The idea communicated through exhibition.
INTERMITTENT/PERENNIAL	Occurring or appearing in interrupted sequence versus present at all seasons of the year.
INTERNATIONAL_DATE_ LINE	The imaginary line through the Pacific Ocean roughly corresponding to 180 degrees longitude, to the east of which, by international agreement, the calendar date is one day earlier than to the west.
IRRIGATED	Supplied with water by means of pipes, ditches or streams for agricultural purposes.
IRRIGATION	Used for the supplying of water by artificial means to land for agricultural purposes.
ITEM(S)_STORED	The articles or substances reserved or put away for future use.
LAND_USE_CATEGORY	Broad classification of the use of land for planning and zoning purposes.
LANDFILL	Land being rehabilitated for future productive use.
LANDING/TAKE-OFF/ TAXIING	Used as the place for aircraft to descend from flight or to rise up into flight versus the place for aircraft to roll to and from the landing/take-off place.
LANDMARK	A prominent and identifying feature of a landscape.
LANES_NUMBER_OF	The number of paths available side by side for the simultaneous passage of vehicles in a road, railway or navigation route.
LATITUDINAL_ZONE	One of the large regions delimited by distance from the equator, used as a basis for classifying climates.
LEADING_LIGHTS	Presence of two or more lights forming a leading line or course to be followed.
LEAD_TYPE	Characteristics or category of lead.

LENGTH	The longer or longest dimension of a feature.
LEVEL_SURFACE	A tract with a relatively uniform horizontal uppermost layer.
LIGHT_CHARACTERISTIC	The distinctive character or quality typical of a specific light emitted.
LIGHT_DISPLAY	The sequence and approximate length of light and dark periods of a specific light.
LIGHTED/UNLIGHTED	Marked with lights used as aids to navigation, or to general night use.
LIGHTS_IN_A_LINE	Presence of lights marking area limits, cable alignments for anchoring, etc., not marking direction or course.
LOADING/UNLOADING	Used as a place where cargo or passengers can be received or discharged.
LOCATION	The place, site or space occupied by a specified feature.
MATERIAL_CONVEYED	The substance or item(s) being transported.
MATERIAL_PROCESSED	The substance being altered through an industrial procedure.
MEAN_HIGH_WATER	The tidal datum that is the arithmetic average of the high water heights observed over a specific 19-year metonic cycle. See also DATUM.
MEAN_SEA_LEVEL	A standard datum for heights and elevation in coastal areas.
MEDIAN_PRESENT	Presence of a dividing area often paved or landscaped, between opposing lanes.
MEMORIAL	Designed or established to serve as a remembrance to a person or an event.
METHOD_OF_MEASUREMENT	Determined astronomically versus determined by triangulation
MICROWAVE_TRANSMISSION	The act or process of sending a signal of electromagnetic radiation having a wavelength in the approximate range from one centimeter to one meter.
MINERAL_CONTENT	Presence of any naturally occurring, homogeneous inorganic substances.
MOUNTED	Fitted into or set in a backing or support.
MOVABLE/STATIONARY	Ability to change position versus fixed in position unable to move.
NAME	A word or phrase that constitutes the distinctive designation of an occurrence of a feature.
NAVAIDS	Serving as aids to navigation.
NAVIGABLE	Having water deep enough and wide enough to afford passage to ships; capable of being steered.
NEGOTIATED/UNILATERAL	Arranged or settled through consultation and agreement with two or more parties versus arranged or settled by one party without consultation or agreement with any other interested party.
NUMBER_OF_SITES	The number of places or plots of land designated for a specific use.

OBSERVATION	Used as a place to watch over attentively.
OBSTRUCTION	Acting as an obstacle impeding passage.
OFFSHORE/ONSHORE	Located or occurring at a distance from shore versus located or occurring on shore.
ONE_WAY/TWO_WAY	Accommodating a lane or lanes of traffic moving in one direction only versus traffic moving in opposing directions.
OWNER_TYPE	Characteristics or category of owners of the feature.
PARK_ATTRACTION	The presence of various mechanical contraptions operated as amusement park entertainment.
PASSENGER_TRANSPORTATION	Used for the conveyance of human passengers.
PASSING	Used for traveling at a faster speed or for going around others using the feature.
PEDESTRIAN_USE	Used by people traveling on foot.
PERMANENTLY_ICE_COVERED	Having a fixed outer layer of ice which does not melt.
PERMEABILITY	The ability of substances to pass through the openings or interstices.
PHYSICAL	Of or pertaining to material things.
PHYSICAL_CONDITION_OF_FEATURE	The state of repair of a feature or the extent of deterioration.
PHYSICAL_CONDITION_OF_SURFACE_MATERIAL	The physical condition of a specified transportation surface which allows for use ranging from sustained use by heaviest vehicles to non-use due to disrepair or deterioration.
POPULATION	The number of people inhabiting a specified area.
PREDOMINANT_SPECIES	The most common, conspicuous, or prevalent animal or life belonging to a distinct biological species.
PRIMARY/SECONDARY/TERTIARY/QUATERNARY	Order of importance, degree of priority or degree of use.
PRODUCT	The item or substance produced through an industrial process.
RADAR_GUIDED	Users directed or steered by signals of reflected high frequency radio waves.
RADAR_TYPE	The kind of or intensity of the high frequency radio waves used for guidance or detection of objects.
RADIO_SIGNAL_CHARACTERISTIC	The distinctive characteristic or quality typical of a specific radio signal emitted.

RADIO_TRANSMISSION	Used for or containing the equipment used to transmit radio signals, electromagnetic waves in approximate frequency range from 10 kilocycles/second to 300,000 megacycles/second. To transmit or to receive electric signals without wires connecting the points of transmission and reception.
RAIL_CONNECTOR_TYPE	The method used to join or connect consecutive rails of a specific rail line or segment.
RAIL_DIRECTION_CHANGES	Facility available at a specific location to change the direction of a locomotive.
RAIL_GAUGE	The distance between two rails of a railway track.
RAIL_GAUGE_ADAPTABILITY	Method used to change the gauge on a specific piece or category of railway equipment.
RAILS_NUMBER_OF	Having parallel bars for conveyance versus a single bar system.
RECOGNIZED/ UNRECOGNIZED	Acknowledged as being valid versus not acknowledged.
RECREATIONAL	Used for the refreshment of one's mind or body after labor through diverting activity; play.
RELATIONSHIP_TO_GROUND_SURFACE	The occupation of space in relation to the solid surface of the Earth.
RELATIONSHIP_TO_WATER_SURFACE	The position of the feature above or below the surface of the local water feature.
RELIEF	The difference between high and low places in a locality.
RESTRICTIONS	Limitations on the use for legal, safety, security or other reasons.
ROAD_TYPE	Characteristics or category of road.
RUNWAYS_NUMBER_OF	The number of prepared surfaces available to accommodate the landing and take-off of aircraft.
SAFE_PASSAGE	Having been established as a route free from hazards.
SALINITY	The proportion of dissolved salts in pure water, stated in parts per thousand by mass.
SCREEN_PRESENT	The presence of a large flat white or silver surface upon which a picture is projected.
SEA_ICE_PRESENT	Presence of more than 10 percent sea ice inhibiting free navigation.
SEASON_USED	The specified season or time of year that something can be used, especially in reference to something that is dependent on or controlled by seasonal changes.
SEASONAL_DEPTH	The measurement from the water surface to the bottom of that water body at different seasons; used in relation to water bodies which have marked changes due to season change.
SEAWEED_PRESENT	Presence of any of numerous marine algae, such as kelp, rockweed, or gulfweed.

SERVICES_PROVIDED	Kinds of services provided at a given facility. See also FACILITIES AVAILABLE.
SHAFTS_NUMBER_OF	The number of long narrow passages sunk in the Earth.
SHAPE	Spatial form.
SHARP_CURVE	Presence of an abrupt acute bend in the feature.
SHORE_ORIENTATION	The position of something relative to the shore, for example, parallel.
SIGNAL_DIRECTION	The line or course along which the sound, image, or other transmitted message travels.
SIGNAL_INTENSITY	The concentration of power or force of the signal emitted.
SIGNAL_TYPE	The kind of electronic impulse used for communication.
SINGLE_WIRE/ MULTIPLE_WIRES	Presence of one strand of wires versus more than one strand of wire together.
SIZE	The physical dimensions, proportions, magnitude, or extent of something.
SLIPS_NUMBER_OF	The number of spaces between wharfs or piers designed to accommodate water vessels.
SLOPE	The slant or deviation from horizontal measured in degrees.
SLOPE_OF_SHAFT	The slant or deviation from horizontal measured in degrees of the shaft.
SLOPE_OF_SIDES	Same as for "SLOPE," but measured between the upper and lower surfaces of the feature, along its sides.
SMOKE_EMISSION	The venting of vapor made up of small particles of carbonaceous matter in the air, resulting mainly from incomplete combustion of organic material, such as wood or coal.
SOIL_TEXTURE	The kind of ground material characterized by the relative proportions of the various size groups of individual soil grains in a mass of soil.
SOIL_TYPE	The principal unit used in soil mappings as defined by the Soil Conservation Service.
SOUND_CHARACTERISTIC	The distinctive character of quality typical of a specific sound emitted.
SOVEREIGNTY	The supreme authority or control over the feature.
SPAN_LENGTH	The length of the section between intermediate supports of a bridge.
SPAN_MOVEMENT	The manner in which the section between two intermediate supports of a bridge moves.
SPECIES	A fundamental category of taxonomic classification, ranking after a genus, and consisting of organisms capable of interbreeding.
SPECIES_CULTIVATED	The form of life grown and nurtured for harvest.
SPORTS_TYPE	The type of organized competitive game(s) that the feature is used for.

STAFFED/UNSTAFFED	Presence or absence of personnel who carry out a specific enterprise.
STORAGE	Used for maintaining a stock or supply for future use.
STRUCTURE_TYPE	The configuration or arrangement of a feature.
SUBSTANCE_EXTRACTED	The matter (liquid, solid or gaseous) being drawn forth by mechanical or chemical processes.
SUPPORT_TYPE	The kind of feature used to bear the weight of the feature being described.
TELEVISION_TRANSMISSION	The transmission of visual images of moving and stationary objects, generally with accompanying sound, as electromagnetic waves, and the reconversion of received waves into visual images.
TEMPERATURE	A specific degree of hotness or coldness as indicated on or referred to a standard scale.
TIDAL	Subject to the alternating rise and fall of water level caused by the astronomic tide-producing forces.
TOLL	A fixed charge or tax for access, especially for passage across a bridge or along a road.
TRAFFIC_LIGHTS_PRESENT	Presence of road signals that beam a red or green light or an amber warning light to direct traffic to stop or proceed.
TRANSPORTATION_MODE_ACCOMMODATED	The kind of transportation that a feature is adapted to or suited to.
TREE_COVER	The amount or density of tall woody plants occupying the surface of a specified area.
TREE_LINED	Having a border of trees along its sides.
UNDERGROWTH_PRESENT	Presence of low growing plants, saplings, and shrubs beneath the trees in a forest.
USER_TYPE	Characteristics or category of users of the feature.
VEHICLE_ACCOMMODATED	The type of vehicle that the feature is adapted to or designed to serve.
VEHICLE_SIZE_SERVED	The physical dimension, proportion, magnitude, or extent of any device for carrying passengers, goods, or equipment that the specified feature has space for storage or service for.
VENT_PRESENT	Presence of an opening permitting the passage or escape of liquids or gas.
VOLCANIC	Pertaining to or produced by volcanic eruptions.
VOLUME	Space occupied or cubic capacity as measured in cubic units.
WASTE_MATERIAL	The useless or worthless byproducts of a process or the like; refuse or excess material.
WATER_BODY_CONNECTION	Acting as a link between two larger bodies of water.

WATER_PRESENT	Presence of water in the feature.
WATER_SUPPLY	Equipped or used to furnish water.
WATERAGE	The movement of goods or merchandise (such as logs) by water.
WETTED_PERIMETER	Length of the line of cross-sectional contact between the water in a stream and its watercourse.
WIDTH	The maximum horizontal measurement taken at right angles to the length; breadth; the maximum horizontal measurement of the extent of something from side to side.
WINDBREAK	A hedge, row of trees, or fence serving to lessen or break the force of the wind.
WIRE_DRAGGED	Cleared of hazards through the use of a wire dragged through the water.
WORK_IN_PROGRESS	Presence of construction or other work that is incomplete and that may limit access or pose some hazard.
ZOO	Presence of wild animals for public display.

Annex C

(normative)

Included Terms

C.1 Entity Types

Accessway	ROAD
Administrative boundary	BOUNDARY
Aeration beds	FILTRATION BEDS
Aerial cableway	CABLEWAY
Aerial cableway lines	CABLEWAY
Aerial cableway pylon	TOWER
Aerodrome	AIRPORT
Aerodrome beacon	BEACON
Aerodrome control tower	TOWER
Aeronautical beacon	BEACON
Aeronautical light	BEACON
Aeronautical navigational radio station	BUILDING, BUILDING COMPLEX
Aeronautical radio beacon	BEACON
Air beacon	BEACON
Air route	LANE
Airdrome	AIRPORT
Airfield	RUNWAY
Airfield revetment	WALL
Airport beacon	BEACON
Airport traffic area	APPROACHWAY
Airport traffic control tower	TOWER
Airstrip	RUNWAY
Alley	ROAD
Alluvial fan	DELTA
Alternate aerodrome	AIRPORT
Alternating light	BEACON
Amphitheater	OUTDOOR THEATER
Amusement park	PARK
Anabranch	WATERCOURSE
Anchor buoy	BUOY
Anchor light	BEACON
Anchorage	HARBOR
Anchorage buoy	BUOY
Animal sanctuary	PARK
Animal sanctuary boundary	BOUNDARY
Anse	INLET
Apartment building	BUILDING
Apartment complex	BUILDING COMPLEX
Approach area	APPROACHWAY
Approach lights	BEACON
Approach path	APPROACHWAY
Approach to highway	ROAD
Apron	PARKING AREA, PLAIN
Aqueduct	WATERCOURSE BRIDGE
Arched iceberg	ICEBERG
Archipelago	SEA, ISLAND CLUSTER

Archipelago apron	PLAIN
Arctic pack	ICE FIELD
Arena	BUILDING
Arete	RIDGE
Arm	INLET
Armistice line	BOUNDARY
Armory	BUILDING, BUILDING COMPLEX
Army camp	MILITARY BASE
Arroyo	WATERCOURSE
Art gallery	BUILDING
Artificial harbor	HARBOR
Athletic club	BUILDING
Astronomic position	CONTROL POINT
Athletic field	SPORTS FIELD
Atoll	REEF, ISLAND
Atoll reef	REEF
Auditorium	BUILDING
Automobile plant	BUILDING COMPLEX
Auxiliary aerodrome	AIRPORT
Avenue	ROAD
Awash rock	ROCK
Awawa	WATERCOURSE
Back marsh	WETLAND
Backswamp	WETLAND
Bald	CLEARING, MOUNT
Ball	BAR
Ball park	PARK, SPORTS FIELD
Bamboo	WOODLAND
Bandstand	OUTDOOR THEATER
Bank	MOUNT, SHORE
Bank reef	REEF
Bar buoy	BUOY
Bar port	PORT
Bare rock	ROCK
Barn	BUILDING
Barracks	BUILDING, BUILDING COMPLEX
Barrage	DAM
Barranca	WATERCOURSE
Barrier basin	BASIN
Barrier beach	BAR
Barrier flat	WETLAND, FLAT
Barrier iceberg	ICEBERG
Barrier island	BAR, ISLAND
Barrier lagoon	LAGOON
Barrier reef	REEF
Bascule bridge	BRIDGE
Battery	FORT
Bay	INLET
Bay head bar	BAR
Bay bar	BAR
Bay barrier	BAR
Bay delta	DELTA
Bay ice	ICE FIELD
Baymouth bar	BAR

Bayou	LAKE, WATERCOURSE
Beach berm	BEACH
Beach cusps	RIDGE
Beach face	SHORE
Beach ridge	RIDGE
Beach scarp	CLIFF
Beaver dam	DAM
Beck	WATERCOURSE
Bell buoy	BUOY
Bench	TERRACE
Bench mark	CONTROL POINT
Bend	WATERCOURSE
Bery	MOUNT, ICEBERG
Bicycle path	ROAD
Bicycle trail	ROAD
Bifurcation buoy	BUOY
Bight	INLET
Billboard	SIGN
Bird sanctuary	PARK
Blanket bog	WETLAND
Blast barrier	WALL
Bluff	CLIFF, WOODLAND
Boardwalk	ROAD
Boat basin	HARBOR
Boat harbor	HARBOR
Boat landing	WHARF, PIER, LANDING PLACE
Boathouse	BUILDING
Bog	WETLAND
Bollard	MOORING
Boom	BREAKWATER
Borough	PLACE
Borrow pit	MINE
Botanical garden	PARK
Boulevard	ROAD
Boundary line	BOUNDARY
Boundary lights	BOUNDARY BEACON
Boundary monument	CONTROL POINT
Boundary sign	SIGN
Braided river	WATERCOURSE
Braided stream	WATERCOURSE
Brake	WOODLAND
Branch	WATERCOURSE
Brigalow	WOODLAND
Brine well	WELL
Brook	WATERCOURSE
Brush	WOODLAND
Built up area	PLACE
Bulkhead	BREAKWATER, EMBANKMENT, WALL
Burn	CLEARING
Burnt over area	CLEARING
Bush	WOODLAND
Butte	PLATEAU
Caatinga	WOODLAND
Cable	UTILITY

Cable buoy	BUOY
Cadastral boundary	BOUNDARY
Cadastral monument	CONTROL POINT
Cairn	CONTROL POINT
Caisson	GATE
Caldera	CRATER
Calibration radiobeacon	BEACON
Camber	HARBOR BASIN
Campsite	CAMPGROUND
Can buoy	BUOY
Canal	WATERCOURSE
Canal port	PORT
Cannery	BUILDING, BUILDING COMPLEX
Canyon	VALLEY
Canyon delta	DELTA
Carline	RAILWAY
Cart track	ROAD
Cascade	WATERFALL
Cask buoy	BUOY
Cataract	RAPIDS
Catch basin	LAKE, TANK
Cathedral	BUILDING
Cattle gate	GATE
Cattle underpass	TUNNEL
Cauldron	BASIN
Causeway	ROAD
Cavern	CAVE
Cay	ISLAND
Cease fire line	BOUNDARY
Ceja	CLIFF
Cement plant	BUILDING COMPLEX
Cerrito	MOUNT
Cerro	MOUNT, RIDGE
Chanaral	WOODLAND
Channel	WATERCOURSE, LANE
Channel buoy	BUOY
Channel light	BEACON
Channel marker	BEACON, BUOY
Chaparral	WOODLAND
Chapeirao	PINNACLE
Chasm	VALLEY
Checkered buoy	BUOY
Chemical plant	BUILDING COMPLEX
Church	BUILDING
Cinder cone	MOUNT
Circular beacon	BEACON
Cistern	TANK
City	PLACE
City hall	BUILDING
City limits	BOUNDARY
City square	PARK
Claim line	BOUNDARY
Cleared area	CLEARING
Clinic	BUILDING

Closed bay	INLET
Closed sea	SEA
Clover leaf interchange	INTERSECTION
Coastal shoreline	SHORELINE
Coast guard station	BUILDING, BUILDING COMPLEX
Coast guard lines	BOUNDARY
Coastal area	COAST
Coastal plain	PLAIN, COAST
Coastline	SHORELINE
Code beacon	BEACON
Col	GAP
College	BUILDING, BUILDING COMPLEX
Colored light	BEACON
Colregs demarcation line	BOUNDARY
Combination buoy	BUOY
Community	PLACE
Conical buoy	BUOY
Coniferous forest	WOODLAND
Conservation area	RESERVE
Continental glacier	ICE FIELD
Continental ice	ICE FIELD
Continuous radiobeacon	BEACON
Control survey monument	CONTROL POINT
Control tower	TOWER
Controlled access road	ROAD
Controlled aerodrome	AIRPORT
Convent	BUILDING
Cooling tower	TOWER
Copse	WOODLAND
Convention mandate line	BOUNDARY
Coral head	PINNACLE
Coral reef	REEF
Corduroy road	ROAD
Coulee	VALLEY, WATERCOURSE
Course	LANE, WATERCOURSE
Courthouse	BUILDING
Cove	INLET
Covered bridge	BRIDGE
Crag	CLIFF, PINNACLE
Creek	WATERCOURSE
Crematorium	BUILDING
Crest	RIDGE
Crevice	CREVASSE, VALLEY
Crossing	INTERSECTION
Crossing gate	GATE
Cuesta	RIDGE, MOUNT
Cul de sac	ROAD
Cultivated field	CROPLAND
Cultivated area	CROPLAND
Culvert	WATERCOURSE
Cuspate bar	BAR
Cuspate spit	BAR
Custom boundary	BOUNDARY
Cut line	CLEARING

Cut off	WATERCOURSE
Dale	VALLEY
Dan buoy	BUOY
Danger buoy	BUOY
Dangerous wreck	WRECK
Dangerous rock	ROCK
Daybeacon	BEACON
Dead end street	ROAD
Deciduous forest	WOODLAND
Deep	TROUGH
De facto boundary	BOUNDARY
Defile	GAP, VALLEY
Dell	VALLEY
Delta moraine	MORAINES
Demilitarized line	BOUNDARY
Depot	BUILDING
Depression	BASIN, VALLEY
Diagnostic point	CONTROL POINT
Diamond intersection	INTERSECTION
Dike	EMBANKMENT
Directional beacon	BEACON
Directional antenna	ANTENNA
Dish	ANTENNA
Disk	ANTENNA
Dismal	WETLAND
Display sign	SIGN
Disposal area	DUMPING GROUND
Disposal bed	DUMPING GROUND
Distributary	WATERCOURSE
Ditch	WATERCOURSE
Divided highway	ROAD
Dock	BERTH
Dockyard	SHIPYARD
Dolphin	MOORING
Dome	MOUNT
Double track railway	RAILWAY
Down	GRASSLAND
Downland	GRASSLAND
Downs	GRASSLAND
Drain	WATERCOURSE
Drainage basin	CATCHMENT
Draw	WATERCOURSE
Draw bridge	BRIDGE
Dredged channel	LANE, WATERCOURSE
Dredging buoy	BUOY
Drill hall	BUILDING
Drive in theater	OUTDOOR THEATER
Driveway	ROAD
Drowned valley	VALLEY
Drumlin	MOUNT, RIDGE
Dry harbor	HARBOR
Dual highway	ROAD
Dump	DUMPING GROUND
Dump site	DUMPING GROUND

Dyke	EMBANKMENT
Early warning radar site	BUILDING, BUILDING COMPLEX
Ecological area	RESERVE
Electric power generating station	BUILDING, BUILDING COMPLEX
Electrical tower	TOWER
Electric substation	BUILDING, BUILDING COMPLEX
Elevated highway	ROAD
Elevation point	CONTROL POINT
End moraine	MORaine
Engine test cell	BUILDING, BUILDING COMPLEX
Entrance lock	LOCK
Entrepot	PORT
Equatorial forest	WOODLAND
Equatorial rain forest	WOODLAND
Escarpment	CLIFF
Esker	RIDGE
Estuary	INLET, MOUTH
Everglade	WETLAND
Excavation	MINE
Expressway	ROAD
Factory	BUILDING, BUILDING COMPLEX
Fairground	EXHIBITION GROUND
Fairway	LANE
Fairway buoy	BUOY
Falls	WATERFALL
Fan	DELTA
Fan delta	DELTA
Fan marker beacon	BEACON
Farm lane	ROAD
Feedlot	STOCKYARD
Fen	WETLAND
Ferry	WHARF, PIER
Ferry crossing	LANE
Ferry site	BERTH, PIER, WHARF
Ferry slip	BERTH
Ferry station	BUILDING
Ferry terminal	PIER, WHARF
Field	CROPLAND, GRASSLAND
Filling station	BUILDING, BUILDING COMPLEX
Filtration plant	BUILDING COMPLEX
Fiord	INLET
Fire line	CLEARING
Fire lookout tower	TOWER
Fire lookout building	BUILDING
Fire road	ROAD
Fire station	BUILDING, BUILDING COMPLEX
Fire tower	TOWER
Firebreak	CLEARING
Firth	INLET
Fish haven	FISHING GROUND
Fish net buoy	BUOY
Fish pound	FISH TRAP
Fish stakes	FISH TRAP, POST
Fish trap area	FISHING GROUND

Fish weir	FISH TRAP
Fishery	FISHING GROUND, FISH HATCHERY
Fishing zone	FISHING GROUND
Fixed and flashing light	BEACON
Fixed and group flashing light	BEACON
Fixed light	BEACON
Fjord	INLET
Flag tower	TOWER
Flame float	BUOY
Flare pipe	CHIMNEY
Flashing light	BEACON
Floating breakwater	BREAKWATER
Floating dock	DRY DOCK
Floating marsh	WETLAND
Floeberg	ICEBERG
Floodgate	GATE
Flume	WATERCOURSE
Fog signal	BEACON
Footbridge	BRIDGE
Foothill	MOUNT
Footpath	ROAD
Forces base	MILITARY BASE
Foredeep	TROUGH
Foreland	PENINSULA
Foreshore	SHORE
Foreshore flats	BEACH
Forest	WOODLAND
Forest/park boundary	BOUNDARY
Forest reserve	RESERVE
Fork	WATERCOURSE
Freeway	ROAD
Fringing reef	REEF
Funeral home	BUILDING
Garage	BUILDING
Garden	CROPLAND
Garigue	WOODLAND
Gas field	OIL FIELD
Gasometer	TANK
Glacial gorge	VALLEY
Glacial moraine	MORaine
Glacial stream	WATERCOURSE
Glacial trough	VALLEY
Glacier	ICE FIELD
Glacier berg	ICEBERG
Glacier iceberg	ICEBERG
Glacier tongue	ICE FIELD
Glade	CLEARING, GRASSLAND
Glen	VALLEY
Goe	VALLEY
Golf driving range	GOLF COURSE
Gorge	VALLEY
Graben	VALLEY
Grade crossing	INTERSECTION
Grade intersection	INTERSECTION

Grain elevator	BUILDING
Granary	BUILDING
Grave marker	MONUMENT
Gravel pit	MINE
Graveyard	CEMETERY
Graving dock	DRY DOCK
Greenhouse	BUILDING
Groin	BREAKWATER
Grotto	CAVE
Grove	WOODLAND
Groyne	BREAKWATER
Guide rail	GUARD RAIL
Gulch	VALLEY, WATERCOURSE
Gulf	INLET
Gully	VALLEY, WATERCOURSE
Gut	WATERCOURSE
Gutter	WATERCOURSE
Guyot	PLATEAU
Half tide basin	LOCK
Hamlet	PLACE
Hangar	BUILDING
Harbor limit	BOUNDARY
Harbor line	BOUNDARY
Harbor of refuge	HARBOR
Haven	HARBOR
Hay meadow	GRASSLAND
Head	PENINSULA
Headland	PENINSULA
Heath	WOODLAND, WETLAND
Hedgerow	HEDGE
Helicopter landing pad	HELIPAD
Heliport	AIRPORT
Herbaceous area	GRASSLAND
Highway	ROAD
Highway route number	SIGN
Hill	MOUNT
Hillock	MOUNT
Hockey rink	ICE RINK
Holding pen	STOCKYARD
Hollow	VALLEY
Homing beacon	BEACON
Hook	BAR, PENINSULA
Hooked spit	BAR
Horizon lights	BEACON
Horizontal control point	CONTROL POINT
Horizontal control monument	CONTROL POINT
Horn buoy	BUOY
Hospital	BUILDING
Hospital complex	BUILDING COMPLEX
Hostel	BUILDING
Hotel	BUILDING
Hotspring	SPRING
House	BUILDING
Hovercraft station	BUILDING

Hovercraft terminal	PIER, WHARF
Hulk	WRECK
Hummock	MOUNT, ISLAND
Hut	BUILDING
Hydro tower	TOWER
Hydrofoil station	BUILDING
Hydrofoil terminal	PIER, WHARF
Ice buoy	BUOY
Ice cap	ICE FIELD
Ice cliff	CLIFF
Ice peak	PEAK
Ice sheet	ICE FIELD
Identification beacon	BEACON
Improved channel	WATERCOURSE, LANE
Incline railway	RAILWAY
Indian treaty line	BOUNDARY
Inland sea	LAKE
Inner harbor	HARBOR
Inner lead	LANE
Inshore	SHORE
Interchange	INTERSECTION
Intermittent light	BEACON
Intermontane plateau	PLATEAU
International boundary	BOUNDARY
International date line	BOUNDARY
Interprovincial boundary	BOUNDARY
Island arc	ISLAND CLUSTER
Island harbor	HARBOR
Island ice	ICE FIELD
Islet	ISLAND
Jail	BUILDING
Jetty	BREAKWATER
Junction buoy	BUOY
Jungle	WOODLAND
Junk yard	DUMPING GROUND
Kame	MOUNT, RIDGE
Kame terrace	TERRACE
Keg buoy	BUOY
Kettle	BASIN
Key	ISLAND
Kill	WATERCOURSE
Kilometer post	SIGN
Knob	MOUNT
Knoll	MOUNT
Lagoon beach	BEACH
Laguna	LAGOON
Land grant line	BOUNDARY
Landing	LANDING PLACE, PIER, WHARF
Landing area	AIRPORT, RUNWAY
Landing beacon	BEACON
Landing field	RUNWAY
Landing lane	RUNWAY, LANE
Landing strip	RUNWAY
Landmark beacon	BEACON

Large automatic navigational buoy	BUOY
Lateral moraine	MORaine
Launch pad	MISSILE SITE
Lava cone	MOUNT
Lawn bowling green	PARK
Lead	LANE
Leading light	BEACON
Ledge	REEF
Levee	EMBANKMENT
Library	BUILDING
Life saving station	BUILDING, BUILDING COMPLEX
Lift bridge	BRIDGE
Light	BEACON
Light float	BUOY
Light standard	POST
Light station	BEACON
Light vessel	BUOY
Lighted beacon	BEACON
Lighted buoy	BUOY
Lighted sound buoy	BUOY
Lighthouse	BEACON
Lightship	BUOY
Limits	BOUNDARY
Liquid waste disposal area	DUMPING GROUND
Locality	PLACE
Lode	WATERCOURSE
Logged area	CLEARING
Long flashing light	BEACON
Longshore bar	BAR
Lookout tower	TOWER
Loop antenna	ANTENNA
Lumber camp	CAMPGROUND
Maintenance road	ROAD
Major fog signal	BEACON
Major light	BEACON
Mallee scrub	WOODLAND
Mangrove swamp	WETLAND, WOODLAND
Maquis	WOODLAND
Marginal sea	SEA
Marine automatic meteorological station	BUOY
Marine bench	TERRACE
Marine cliff	CLIFF
Marine light	BEACON
Marine radiobeacon	BEACON
Marker beacon	BEACON
Marker radiobeacon	BEACON
Market garden	CROPLAND
Marsh	WETLAND
Marsh bar	BAR
Mattress	REVTMENT
Meadow	GRASSLAND
Meander	WATERCOURSE
Memorial park	PARK
Mesa	PLATEAU

Microwave tower	TOWER
Mid channel buoy	BUOY
Mile post	SIGN
Mileage post	SIGN
Military reserve	RESERVE
Mill	BUILDING, BUILDING COMPLEX
Millpond	LAKE
Mine danger area	BOUNDARY
Mineral pile	DUMPING GROUND
Mineral spring	SPRING
Minor fog signal	BEACON
Minor light	BEACON
Mire	WETLAND
Mississippi River type buoy	BUOY
Moat	WATERCOURSE, VALLEY
Mole	BREAKWATER
Monadnock	MOUNT
Monastery	BUILDING, BUILDING COMPLEX
Monorail	RAILWAY
Monsoon forest	WOODLAND
Monumented control point	CONTROL POINT
Moor	WOODLAND, WETLAND, GRASSLAND
Mooring buoy	BUOY, MOORING
Mooring mast	MOORING, POST
Mooring ring	MOORING
Morass	WETLAND
Mortlake	LAKE
Mosque	BUILDING
Motel	BUILDING, BUILDING COMPLEX
Motte	WOODLAND
Mound	MOUNT
Mountain	MOUNT
Mountain pass	GAP
Mountain range	MOUNT RANGE
Mulga	WOODLAND
Mulga scrub	WOODLAND
Multiple track railway	RAILWAY
Municipal park	PARK
Municipality	PLACE
Museum	BUILDING
Muskeg	WETLAND
Narrows	WATERCOURSE
National park	PARK
Natural harbor	HARBOR
Naval station	MILITARY BASE
Navigation light	BEACON
Neck	ISTHMUS, PENINSULA
Neutral zone	DEMILITARIZED ZONE
Non tidal basin	BASIN
Notch	GAP, CAVE
Nuclear accelerator	BUILDING
Nuclear reactor	BUILDING, BUILDING COMPLEX
Nullah	WATERCOURSE
Nunatak	PEAK

Nun buoy	BUOY
Nursery	FARM
Obsequent stream	WATERCOURSE
Obelisk	MONUMENT
Observation tower	TOWER
Obstruction beacon	BEACON
Obstruction marker	BEACON
Obstruction light	BEACON
Obstruction buoy	BUOY
Occasional light	BEACON
Occasional fog signal	BEACON
Occulting light	BEACON
Occulting quick flashing light	BEACON
Ocean	SEA
Office building	BUILDING
Offshore bar	BAR
Offshore light station	BEACON
Offshore loading facility	PORT
Offshore tower	BEACON
Oil well	WELL
Omnidirectional beacon	BEACON
Open pit mine	MINE
Open berth	HARBOR
Open harbor	HARBOR
Open roadstead	HARBOR
Open sea	SEA
Open sound	SEA
Open water	SEA, LAKE
Orchard	CROPLAND
Outlet	MOUTH
Outport	PORT
Outwash	DELTA
Outwash plain	DELTA, PLAIN
Overflow channel	WATERCOURSE
Overpass	BRIDGE
Oxbow	LAKE
Oyster bed	FISHING GROUND
Pack ice	ICE FIELD
Paddy field	CROPLAND
Palisade	CLIFF
Palsa bog	WETLAND
Pampas	GRASSLAND
Parish	PLACE
Parking garage	BUILDING
Parking lot	PARKING AREA
Parkway	ROAD
Parti colored buoy	BUOY
Pass	GAP, WATERCOURSE, LANE
Passage	WATERCOURSE, LANE
Pasteur lake	LAKE
Pasture	CROPLAND, GRASSLAND
Paternoster lake	LAKE
Path	ROAD
Peat bog	WETLAND

Peat cutting	WETLAND
Pedestrian crossing	INTERSECTION
Pedestrian-bicycle overpass	BRIDGE
Pedestrian underpass	TUNNEL
Penitentiary	BUILDING, BUILDING COMPLEX
Pens	WHARF
Penstock	UTILITY, WATERCOURSE
Perch	BEACON
Photogrammetric horizontal control point	CONTROL POINT
Picnic site	PARK
Pile	POST
Pile beacon	BEACON
Pile dolphin	BEACON
Pile lighthouse	BEACON
Pillar	PINNACLE
Pillar buoy	BUOY
Pilot lightship	BUOY
Pingo	MOUNT
Pipe	UTILITY
Pipeline	UTILITY
Pit	MINE, BASIN
Placer mine	MINE
Planetarium	BUILDING
Plant	BUILDING, BUILDING COMPLEX
Plantation	CROPLAND
Plantation field	CROPLAND
Platform	OFFSHORE PLATFORM
Playground	PARK
Plaza	PARK
Pocosin	WETLAND
Point	BAR, PENINSULA
Polar ice	ICE FIELD
Polar ice pack	ICE FIELD
Police station	BUILDING, BUILDING COMPLEX
Pond	LAKE
Pontoon bridge	BRIDGE
Pool	LAKE
Populated place	PLACE
Post office	BUILDING
Powder magazine	BUILDING
Power line	UTILITY
Power plant	BUILDING COMPLEX
Power transmission line	UTILITY
Power transmission pole	POST
Power transmission pylon	TOWER
Prairie	GRASSLAND
Precipice	CLIFF, PINNACLE
Primary tide station	BUILDING, BUILDING COMPLEX
Prison	BUILDING, BUILDING COMPLEX
Private road	ROAD
Proglacial lake	LAKE
Prohibited anchorage	HARBOR
Prohibited area	RESTRICTED AREA
Prohibited flying area	RESTRICTED AREA

Promontory	PENINSULA
Pumping station	BUILDING, BUILDING COMPLEX
Pup	WATERCOURSE
Pusztá	GRASSLAND
Pylon	TOWER
Quagmire	WETLAND
Quaking bog	WETLAND
Quarantine anchorage	HARBOR
Quarry	MINE
Quay	WHARF
Quick flashing light	BEACON
Race	WATERCOURSE
Racon	BEACON
Radar beacon	BEACON
Radar buoy	BUOY
Radar responder beacon	BEACON
Radar station	BUILDING, BUILDING COMPLEX
Radio beacon monitor station	BUILDING, BUILDING COMPLEX
Radio direction finder station	BUILDING, BUILDING COMPLEX
Radio mast	TOWER
Radio station	BUILDING, BUILDING COMPLEX
Radio tower	TOWER
Radiobeacon	BEACON
Radiobeacon buoy	BUOY
Railroad	RAILWAY
Railroad crossing	INTERSECTION
Railroad gantry	GANTRY
Railroad passing	RAILWAY
Railroad repair building	BUILDING
Railroad storage building	BUILDING
Railroad yard	RAILWAY YARD
Railway tunnel	TUNNEL
Railway turntable	TURNTABLE
Raised beach	TERRACE
Raised bog	WETLAND
Ramp	ROAD, LAUNCHING RAMP
Ranch	FARM
Range	GRASSLAND, LANE, MOUNT-RANGE, RIDGE, CROPLAND
Ranger station	BUILDING, BUILDING COMPLEX
Ranging light	BEACON
Ranging marker	BEACON
Ravine	VALLEY, WATERCOURSE
Re-entrant	VALLEY
Reach	WATERCOURSE
Rear light	BEACON
Recreational vehicle area	CAMPGROUND, PARKING AREA
Recurved spit	BAR
Red sector	BEACON
Red sector light	BEACON
Reef flat	REEF
Reference point location	CONTROL POINT
Refinery	BUILDING, BUILDING COMPLEX
Reforested area	WOODLAND

Regional park	PARK
Research center	BUILDING COMPLEX
Reservation	INDIAN RESERVATION, RESERVE
Reservation boundary line	BOUNDARY
Reserve boundary line	BOUNDARY
Reservoir	LAKE
Responder beacon	BEACON
Rest area	PARK
Restricted waters	RESTRICTED AREA
Retaining wall	WALL
Ria	INLET
Rift valley	VALLEY
Rill	WATERCOURSE
Rincon	INLET
Rink	ICE RINK
Rio	WATERCOURSE
Riprap	REVTMENT
Riprap mounds	REVTMENT
Rise	MOUNT
Rivage	BEACH, COAST, SHORE
River	WATERCOURSE
River bed	WATERCOURSE
River buoy	BUOY
Rivulet	WATERCOURSE
Roadstead	HARBOR
Rock glacier	ICE FIELD
Rock terrace	TERRACE
Rocket station	BUILDING, BUILDING COMPLEX
Rotating beacon	BEACON
Rotating loop-radiobeacon	BEACON
Rotating light	BEACON
Roundhouse	BUILDING
Route marker	SIGN
Ruins	PLACE
Run	WATERCOURSE
Runaway preventer	ROAD
Runnel	TROUGH, WATERCOURSE
Runway lights	BEACON, RUNWAY
Runway radar reflector	RADAR REFLECTOR
Sabkha	BASIN
Saddle	GAP
Safety fairway	LANE
Sagebrush	WOODLAND
Salina	WETLAND, LAKE
Salt lake	LAKE
Salt marsh	WETLAND
Salting	WETLAND
Sanctuary	PARK
Sand bank	BAR
Sand dune	MOUNT, RIDGE
Sand hills	MOUNT, RIDGE
Sand horn	BAR
Sand lobe	BAR
Sand pit	MINE

Sand spit	BAR
Sandbar	BAR
Sanitarium	BUILDING
Savanna	GRASSLAND
Scar	CLIFF, PINNACLE
Scarp	CLIFF
Scaw	CLIFF
School	BUILDING, BUILDING COMPLEX
Science center	BUILDING
Scrap yard	DUMPING GROUND
Scrub	WOODLAND
Sea beacon	BEACON
Sea buoy	BUOY
Sea coast	COAST
Sea gate	BREAKWATER, GATE
Seachannel	VALLEY, WATERCOURSE
Seadrome	AIRPORT, RUNWAY
Seaknoll	MOUNT
Seamount	MOUNT
Seamount chain	MOUNT RANGE
Seamount group	MOUNT RANGE
Seamount range	MOUNT RANGE
Seapeak	PEAK
Seaplane base	AIRPORT
Seaplane landing/take off area	RUNWAY
Seaport	PORT, PLACE
Seashore	SHORE
Seawall	BREAKWATER, EMBANKMENT, WALL
Seaway	WATERCOURSE, LANE
Secondary tide station	BUILDING, BUILDING COMPLEX, TIDAL GAUGE
Section line	BOUNDARY
Sectored light	BEACON
Seep	SPRING
Send	SWASH
Service lane	ROAD, LANE
Service street	ROAD
Settlement	PLACE
Sewage treatment plant	BUILDING COMPLEX
Shelf ice	ICE FIELD
Shelterbelt	HEDGE
Shield volcano	MOUNT
Ship canal	WATERCOURSE
Shipping lane	LANE
Shoal	BAR
Shoal patches	BAR
Shopping center	BUILDING COMPLEX
Shore reef	REEF
Shoreface	SHORE
Short flashing light	BEACON
Short long flashing light	BEACON
Shrine	MONUMENT
Shrub	WOODLAND
Sidewalk	ROAD

Siding	RAILWAY
Sign post	SIGN
Signal station	BUILDING, BUILDING COMPLEX
Sill	RIDGE, GAP
Silo	BUILDING
Silva	WOODLAND
Single track railway	RAILWAY
Sink	BASIN
Sinkhole	BASIN
Ski lift	CABLEWAY
Ski pylon	TOWER
Slag heap	DUMPING GROUND
Slash	WETLAND
Slip	BERTH
Slipway	LAUNCHING RAMP
Slough	WETLAND, WATERCOURSE
Slue	WETLAND
Sluice	WATERCOURSE, GATE
Sluice gate	GATE
Smoke stack	CHIMNEY
Snow shed	BUILDING
Sonobuoy	BUOY
Sound	WATERCOURSE, LAKE, INLET
Sound barrier	FENCE, WALL
Sound buoy	BUOY
Sovereignty limit	BOUNDARY
Spar buoy	BUOY
Special purpose buoy	BUOY
Special track railway	RAILWAY
Spillway	WATERCOURSE
Spit	BAR
Spoil area	DUMPING GROUND
Spoil banks	DUMPING GROUND
Spoil ground	DUMPING GROUND
Spoil ground buoy	BUOY
Sports playing field	SPORTS FIELD
Sports track	RACETRACK
Spur	RIDGE, RAILWAY, ROAD
Square	PARK
Stable	BUILDING
Stack	ISLAND
Stake net	FISH TRAP
Stakes	BEACON
Stand	WOODLAND
Standpipe	TANK
Station	BUILDING, BUILDING COMPLEX
Station buoy	BUOY
Steel mill	BUILDING, BUILDING COMPLEX
Steppe	GRASSLAND
Stone mound monument	CONTROL POINT
Storage bunker	BUILDING
Storage tank	TANK
Store	BUILDING
Strait	WATERCOURSE

Strand	SHORE
Stranded wreck	WRECK
Stranding harbor	HARBOR
Strath	VALLEY
Stream	WATERCOURSE
Stream channel	WATERCOURSE
Street	ROAD
Streetcar line	RAILWAY
String bog	WETLAND
Strip mine	MINE
Stump	SNAG
Submarine isthmus	ISTHMUS
Submarine cable	UTILITY
Submerged reef	REEF
Substation/transformer yard	BUILDING, BUILDING COMPLEX
Subway	RAILWAY, TUNNEL
Summit	PEAK
Sunken rock	ROCK
Sunken wreck	WRECK
Super buoy	BUOY
Supplementary aerodrome	AIRPORT
Survey monument	CONTROL POINT
Suspension bridge	BRIDGE
Swale	TROUGH
Swamp	WETLAND
Swamp forest	WETLAND
Swimming pool	LAKE
Swing bridge	BRIDGE
Swinging buoy	BUOY
Synagogue	BUILDING
Tableknoll	PLATEAU
Tableland	PLATEAU
Tablemount	PLATEAU
Taiga	WOODLAND
Tailing dump	DUMPING GROUND
Tailing pile	DUMPING GROUND
Taxi channel	RUNWAY
Taxi channel light	BEACON
Taxiway	RUNWAY
Taxiway lights	BEACON, RUNWAY
Telegraph buoy	BUOY
Telegraph line	UTILITY
Telegraph pole	POST
Telegraph pylon	TOWER
Telephone line	UTILITY
Telephone pole	POST
Telephone pylon	TOWER
Television station	BUILDING, BUILDING COMPLEX
Television tower	TOWER
Temple	BUILDING
Temporary anchorage	HARBOR
Terminal	BUILDING
Terminal moraine	MORAINES
Territorial waters limit	BOUNDARY

Texas tower	TOWER
Theater	BUILDING
Thermobuoy	BUOY
Thicket	WOODLAND
Thorn forest	WOODLAND
Thorofare	ROAD, WATERCOURSE
Thoroughfare	ROAD, WATERCOURSE
Threshold light	BEACON
Throughfare	ROAD, WATERCOURSE
Thruway	ROAD
Tidal basin	BASIN
Tidal flat	FLAT
Tidal harbor	HARBOR
Tidal light	BEACON
Tidal marsh	WETLAND
Tidal quay	WHARF
Tide gate	GATE
Tide limit	BOUNDARY
Tide lock	LOCK
Tide signal	BEACON
Tide rips	OVERFALLS
Tide station	BUILDING, BUILDING COMPLEX
Tideway	WATERCOURSE
Timber line	BOUNDARY
Toll gate	GATE
Tollroad	ROAD
Tombolo	BAR, ISLAND
Tongue	BAR, PENINSULA
Topmark buoy	BUOY
Torrent	WATERCOURSE
Tourist cabin	BUILDING
Tourist lodge	BUILDING
Town	PLACE
Town hall	BUILDING
Town limits	BOUNDARY
Track	RAILWAY, ROAD
Traffic circle	INTERSECTION
Traffic sign	SIGN
Trail	ROAD
Trailer	MOBILE HOME
Trailer park	MOBILE HOME PARK
Training wall	BREAKWATER
Tramway	CABLEWAY
Transformer station	BUILDING, BUILDING COMPLEX
Transmission line	UTILITY
Transmitter station	BUILDING, BUILDING COMPLEX
Transobuoy	BUOY
Transponder beacon	BEACON
Transverse bar	BAR
Tree line	BOUNDARY
Trench	VALLEY, TROUGH
Trestle	BRIDGE
Triangulation station	CONTROL POINT
Tributary	WATERCOURSE

Tropical rain forest	WOODLAND
Truck farm	CROPLAND
Truck garden	CROPLAND
Trumpet buoy	BUOY
Trunk buoy	BUOY
Tulelands	WETLAND
Tunny nets	FISH TRAP
Turning buoy	BUOY
Turnpike	ROAD
Unattended light	BEACON
Underpass	TUNNEL
Undulating light	BEACON
University	BUILDING COMPLEX
Unwatched light	BEACON
Urban area	PLACE
Utilidor	UTILITY
Veld	GRASSLAND
Vertical control point	CONTROL POINT
Vertical control monument	CONTROL POINT
Viaduct	BRIDGE
Village	PLACE
Vineyard	CROPLAND
Volcano	MOUNT
Volcanic dike	RIDGE
Wadi	WATERCOURSE
Walk	ROAD
Warehouse	BUILDING
Warning beacon	BEACON
Warning light	BEACON
Warning radiobeacon	BEACON
Warping buoy	BUOY
Wash	WATERCOURSE
Watched light	BEACON
Water gap	VALLEY, WATERCOURSE
Water hole	WELL
Water intake tower	TOWER
Water lane	RUNWAY, LANE
Water tower	TOWER
Waterway	LANE
Wave basin	BREAKWATER, BASIN
Wave trap	BREAKWATER
Way	LANE, ROAD
Way point	CONTROL POINT
Wayside park	PARK
Weak light	BEACON
Weir	FISH TRAP, DAM
Weir jetty	BREAKWATER
Wetdock	BERTH
Whistle buoy	BUOY
Winged headland	PENINSULA
Winter buoy	BUOY
Winter light	BEACON
Winter marker	BEACON
Winter road	ROAD

Wood
Wooded area
Woods
Wreck buoy
Wrecking yard
Zoo

WOODLAND
WOODLAND
WOODLAND
BUOY
DUMPING GROUND
PARK

C.2 Attributes

Airport lighting	LIGHTED/UNLIGHTED
Alkaline	ACIDITY
Approach lighting	LIGHTED/UNLIGHTED
Astronomically determined	METHOD OF MEASUREMENT
Brackish	SALINITY
Civilian	OWNER TYPE, USER TYPE
Constructional material	COMPOSITION
Crop grown	SPECIES CULTIVATED
Cross lines	CHARTED DEPTH
Cul-de-sac	BLIND/OPEN
Dead end	BLIND/OPEN
Depth	CHARTED DEPTH, DEPTH BELOW GROUND SURFACE
Determined by triangulation	METHOD OF MEASUREMENT
Drilling	EQUIPMENT PRESENT
Evergreen	DECIDUOUS/EVERGREEN
Fresh	SALINITY
Gauge	RAIL GAUGE
Gradient	SLOPE
Gradient of sides	SLOPE OF SIDES
Land	AIR/LAND/WATER
Main track	CONNECTED BY SWITCHES/ MAIN TRACK
Manmade	ARTIFICIALLY IMPROVED/MANMADE/ NATURAL
Military	OWNER TYPE, USER TYPE
Mode transported	TRANSPORTATION MODE ACCOMMODATED
Multiple wires	SINGLE WIRE/MULTIPLE WIRES
Municipal	ADMINISTRATION
Natural	ARTIFICIALLY IMPROVED/MANMADE/ NATURAL
Noncommunication	COMMUNICATION/ NONCOMMUNICATION
Onshore	OFFSHORE/ONSHORE
Open	BLIND/OPEN
Parent	BRANCH/PARENT
Perennial	INTERMITTENT/PERENNIAL
Pillar construction	CONSTRUCTION TYPE
Private	OWNER TYPE, USER TYPE
Proposed	EXISTING/PROPOSED
Quaternary	PRIMARY/SECONDARY/TERTIARY/ QUATERNARY
Rocky	SOIL TEXTURE
Salt	SALINITY
Seasonal limits	RESTRICTIONS, SEASON USED
Secondary	PRIMARY/SECONDARY/TERTIARY/ QUATERNARY
Sheltered	EXPOSED/SHELTERED
Solid construction	CONSTRUCTION TYPE
Sounding	CHARTED DEPTH
Special use	RESTRICTIONS
Stationary	MOVABLE/STATIONARY
Substance being processed	MATERIAL PROCESSED
Substance stored	ITEM(S) STORED

Substance transported	MATERIAL CONVEYED
Surface material	COMPOSITION
Through road	BLIND/OPEN
Tertiary	PRIMARY/SECONDARY/TERTIARY/ QUATERNARY
Track gauge	RAIL GAUGE
Two way	ONE WAY/TWO WAY
Uncontrolled	CONTROLLED/UNCONTROLLED
Uncovered	COVERED/UNCOVERED
Unilateral	NEGOTIATED/UNILATERAL
Unincorporated	INCORPORATED/UNINCORPORATED
Unlighted	LIGHTED/UNLIGHTED
Unloading	LOADING/UNLOADING
Unrecognized	RECOGNIZED/UNRECOGNIZED
Unstaffed	STAFFED/UNSTAFFED
Use restrictions	RESTRICTIONS
Use type	LAND USE CATEGORY, FUNCTION
Vehicle served	VEHICLE ACCOMMODATED
Vehicle type	VEHICLE ACCOMMODATED
Vertical	HORIZONTAL/VERTICAL
Vessel accommodated	VEHICLE ACCOMMODATED
Vessel type	VEHICLE ACCOMMODATED
Watched	STAFFED/UNSTAFFED
Water	AIR/LAND/WATER
Water temperature	TEMPERATURE
Weight bearing capacity	BEARING CAPACITY