



Level	Category	Data Theme	Dataset	Definition
0	Primary Reference	Geodetic Control Network	Geodetic control points	List of coordinates with information on the history of establishment of the network as well as network design in digital map/GIS format.
			Height datum	List of heights of primary height points in digital map/GIS form (vertical datum surface)
			Geoid model	Geoid-ellipsoid separations (heights at individual points) to convert from GPS observations to heights
I	Base geography	Rectified Imagery	Aerial photography	Aerial photography
			Satellite imagery	Satellite imagery
		Hypsography	Digital elevation model	Vertical distance from the earth's surface to a base defined by the adopted height datum
			Spot heights	Heights of peaks
			Bathymetry	Vertical distance of earth's surface from base defined by Lowest Astronomical Tide
		Hydrography	Coastline	The limit of land features usually at mean high water level.
			Natural water bodies	Location of watercourses, drainage network, and all inland water bodies (streams, rivers, canals, ponds, lakes, etc.)
II	Administration and spatial organisation	Boundaries	Governmental units	Limits of administrative and jurisdictional authority (International, national, sub-national boundaries, and local government areas)
			Populated places	Population centres including urban areas, towns, localities, and rural settlements
			Enumeration areas	Boundaries of areas delineated for the purpose of collecting demographic census information
		Geographic names	Place Names	Official and local names of places
			Feature Names	Official and local names of cultural and geographic features (including roads)

Level	Category	Data Theme	Dataset	Definition
		[Land management units/areas]	Land Parcels/Cadastre	A consistent framework of land parcel/cadastre boundaries defined for land tenure purposes, referenced to a common datum
			Land Tenure	Current, proposed and historical details of all tenures, e.g., details of ownership, vesting, and including traditional forms of land holding.
			Street Address	Unique Street Address of parcels/properties
			Postal or zip code zones	Boundaries of post code areas
			Land use planning zones	Boundaries of areas of permitted/restricted land use defined by planning authorities (includes conservation areas, heritage sites, and restricted areas)
	Infrastructure	Transportation	Roads	Network of physical roads and carriageways
			Road centrelines	Centreline of roads and carriageways
			Railways	Network of railway lines
			Airports and ports	Location of airports, sea ports, and navigation aids
			Structures	[Bridges and tunnels]
Utilities and services			Power	Locations of trunk or national grid power line networks and major assets/installations, and sources
	Telecommunications	Locations of trunk communication networks and major assets		
III	Environmental Information	Natural environment	Land cover	Observed bio-physical cover over on the earth's surface ¹
			Soils	Boundaries and classifications of soil resources
			Geology	Boundaries and classification of geological units