

3.1. FEATURE THEME AND FEATURE CLASS CODES

Theme Code	Code	Interpretation
11		Administrative Areas
	1111	Country
	1112	Order 1 Area
	1113	Order 2 Area
	1114	Order 3 Area
	1115	Order 4 Area
	1116	Order 5 Area
	1117	Order 6 Area
	1118	Order 7 Area
	1119	Order 8 Area
	1120	Order 9 Area
	1198	Boundary Junction
	1199	Boundary Element

Theme Code	Code	Interpretation
31		Settlements and Named Areas
	3110	Built-up Area
	3120	Named Area
	3131	Police District
	3132	Emergency Medical Dispatch District
	3133	School District
	3134	Census District
	3135	Fire Dispatch District
	3136	Postal District
	3137	Phone District
	3138	Elective District

Theme Code	Code	Interpretation
41		Roads and Ferries
	4110	Road Element
	4120	Junction
	4130	Ferry Connection
	4135	Enclosed Traffic Area
	4140	Road
	4145	Intersection
	4150	Ferry
	4160	Address Area
	4165	Address Area Boundary Element
	4170	Aggregated Way

Theme Code	Class Code	Interpretation
72		Road Furniture
	7210	Signpost
	7220	Traffic Sign
	7230	Traffic Light
	7240	Pedestrian Crossing

Theme Code	Class Code	Interpretation
73		Services
	7310	Vehicle Repair Facility
	7311	Petrol Station
	7312	Rent a Car Facility
	7313	Parking Garage
	7314	Hotel or Motel
	7315	Restaurant
	7316	Tourist Office
	7317	Museum
	7318	Theatre
	7319	Cultural Centre
	7320	Sports Centre
	7321	Hospital/Polyclinic
	7322	Police Station
	7323	City Hall
	7324	Post Office
	7325	First Aid Post
	7326	Pharmacy
	7327	Department Store
	7328	Bank
	7329	Travel Agency
	7330	Public Phone
	7331	Warehouse
	7334	Ski-lift Station
	7337	Vantage Point
	7338	Swimming Pool
	7339	Place of Worship
	7340	Transport Company
	7351	Cargo Centre
	7352	Ferry Terminal
	7355	Car Shipping Terminal
	7356	Airline Access
	7360	Camping
	7361	Caravan Site
	7362	Coach and Lorry Parking
	7363	Community Centre
	7364	Customs
	7365	Embassy
	7366	Frontier Crossing
	7367	Government Office
	7368	Motoring Organization Office
	7369	Open Parking Areas
	7370	Recreation Facility
	7371	Roadside Diner
	7372	School
	7373	Shopping Centre
	7374	Stadium
	7375	Toll

Theme Code	Class Code	Interpretation
	7376	Tourist Attraction
	7377	University or College
	7378	Business Facility
	7379	City Centre
	7380	Railway Station
	7383	Airport
	7384	Bus Station
	7385	Exhibition or Conference Centre
	7386	Kindergarten
	7390	Emergency Call Station
	7391	Emergency Medical Service
	7392	Fire Brigade
	7394	Free Port
	7395	Rest Area

Theme Code	Class Code	Interpretation
75		Brunnels
	7500	Brunnel

Theme Code	Class Code	Interpretation
80		General Purpose Features
	8000	Centre Point of Feature

Theme Code	Class Code	Interpretation
90-99		User-defined Features

3.2 ATTRIBUTE TYPE CODES

3.2.1 Attributes for all Themes

Official Name	ON
Alternate Name	AN
Validity Period	VP
Positional Accuracy	AP

3.2.2 Attributes for Roads and Ferries

Average Vehicle Speed	AS
Blocked Passage	BP
Chainage Offset	CO
Composite Form of Way	Composite
Construction Status	CS
Direction of Traffic Flow	DF
Divider	Composite
Divided Road Element	DR
Divider Type	DT
Divider Width	DW
Emergency Vehicle Lane	EV
Enclosed Traffic Area Type	EA
External Identifier	EX
Ferry Type	FT
First House Number Left	LS
First House Number Right	RS
Form of Way	FW
Freeway	FY
Frequency of a Traffic Connection	FR
Functional Road Class	FC
Height of Pass	HP
High Occupancy Vehicle	Composite
House Number Range	Composite
House Number Structure	HS
Intermediate House Number Left	LI
Intermediate House Number Right	RI
Intersection Type	IT
Junction Type	JT
Lane Dependent Validity	LD
Last House Number Left	LE
Last House Number Right	RE
Lateral Offset	LO
Length of a Road Element	LR
Magnetic Anomalies	MA
Maximum Height Allowed	MH
Maximum Length Allowed	ML
Maximum Number of Lanes	XL
Maximum Total Weight Allowed	MT
Maximum Weight per Axle Allowed	AW
Maximum Width Allowed	MW
Measured Length	LM
Minimum Number of Lanes	MI
Minimum Number of Occupants	MO
Mountain Pass	Composite
National Road Class	NR
Number of Lanes	NL

Attributes for Roads and Ferries (Continued)

Number of Passing Vehicles	NV
Opening Period	OP
Ownership	OW
Pass	PA
Passing Restrictions	RP
RDS/TMC Code	RD
Road Conditions	DS
Road Display Class	RL
Road Gradient	RG
Road Inclination	IR
Route Number	RN
Scenic Value	SV
Slip Road Type	SL
Special Restrictions	SR
Speed Restrictions	SP
Toll Road	TR
Traffic Jam Sensitivity	TJ
Travel Time	TT
Vehicle Type	VT
Width	WI

3.2.3 Attributes for Administrative Areas

CCC Country Code	CC
CCC Region Code	RC
ISO Country Code	IC
Official Code	OC
Population	PO
Population Class	PC

3.2.4. Attributes for Brunnels

Brunnel Type	BT
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3.2.5 Attributes for Road Furniture

Direction	DI
Symbol on Traffic Sign	SY
Textual Content of a Traffic Sign	CT
Traffic Sign Class	TS
Traffic Sign Information	Composite
Value on Traffic Sign	VA

3.2.6 User-defined Attributes

Any two character code of which the first character is non alphabetic.

3.3 Attribute Value Codes

3.3.1 Attribute value codes for roads and ferries

Attribute Type Name	Attribute Type Code	Attribute Value Name	Attribute Value Code
Blocked Passage	BP	Physically Blocked at Start Junction	1
		Physically Blocked at End Junction	2
		Physically Blocked between Start and End Junction	3
Construction Status	CS	Planned	1
		Under Construction	2
Direction of Traffic Flow	DF	Allowed in both directions	1
		Closed in positive direction	2
		Closed in negative direction	3
		Closed in both directions	4
Divided Element	Road DR	Not Divided	0
		Divided	1
Divider Type	DT	Physical divider; Not Crossable	1
		Physical divider; Crossable	2
		Legal Divider (not physical)	3
Emergency Vehicle Lane	EV	Not Present	0
		Present	1
Enclosed Area Type	Traffic EA	Parking Place	1
		Parking Building	2
		Another Type of Enclosed Traffic Area	3
		Unstructured Traffic Square	4
Ferry Type	FT	Operated by ship or hovercraft	1
		Operated by train	2

Attribute Type Name	Attribute Type Code	Attribute Value Name	Attribute Value Code
Form of Way	FW	Part of a motorway	1
		Part of a multiple carriageway which is not a Motorway	2
		Part of a single carriageway	3
		Part of a roundabout	4
		Part of a traffic square	5
		Part of an Enclosed Traffic Area: parking place	6
		Part of an Enclosed Traffic Area: parking building	7
		Part of an Enclosed Traffic Area: unstructured traffic square	8
		Part of another type of Enclosed Traffic Area	9
		Part of a slip road	10
		Part of a service road	11
		Entrance/exit to/from a car park	12
		Entrance/exit to/from a service	13
		Part of a pedestrian zone	14
		Part of a walkway not passable for vehicles	15
Freeway	FY	Part of a Non-Freeway	0
		Part of a Freeway	1
Functional Class	Road FC	Main road	0
		First class road	1
		Second class road	2
		Third class road	3
		Fourth class road	4
		Fifth class road	5
		Sixth class road	6
		Seventh class road	7
		Eighth class road	8
		Ninth class road	9
House Structure	Number HS	No House Numbers at all	1
		Regular, odd and even at both sides	2
		Regular, odd and even at different sides	3
		Irregular	4
Intersection Type	IT	Freeway Intersection	1
		Roundabout	2
		Crossing	3

Attribute Type Name	Attribute Type Code	Attribute Value Name	Attribute Value Code
Junction Type	JT	Mini roundabout	1
		Bifurcation	2
		Railway Crossing	3
		Border Crossing	4
Lane Dependent Validity	LD	Lanes counted from the left	First character = L
		Lanes counted from the right	First character = R
		Not valid for that lane	(n + 1)th character = 0
		Valid for that lane	(n + 1)th character = 1
Magnetic Anomalies	MA	Not present	0
		Present	1
National Road Class	NR	Main road	0
		First class road	1
		Second class road	2
		Third class road	3
		Fourth class road	4
		Fifth class road	5
		Sixth class road	6
		Seventh class road	7
		Eighth class road	8
		Ninth class road	9
Ownership	OW	Publicly owned	1
		Privately owned	2
Pass	PA	Not a Pass	0
		Pass	1
Passing Restrictions	RP	Not Present	0
		Present	1
Road Conditions	DS	Paved	1
		Unpaved	2
Road Display Class	RL	First Class	1
		Second Class	2
		Third Class	3
		Fourth Class	4
		Fifth Class	5
		Sixth Class	6
		Seventh Class	7
		Eighth Class	8
		Ninth Class	9
		Tenth Class	10

Attribute Type Name	Attribute Type Code	Attribute Value Name	Attribute Value Code
Scenic Value	SV	Not Scenic	0
		Scenic	1
Slip Road Type	SL	Parallel Road	1
		Slip Road of a grade separated crossing	2
		Slip Road of a crossing at grade	3
Special Restrictions	SR	Publicly accessible	1
		Not publicly accessible	2
Toll Road	TR	Not a Toll Road	0
		Toll Road	1
Traffic Sensitivity	Jam TJ	No or low probability	0
		High probability	1
Vehicle Type	VT	All Vehicles	0
		Passenger Cars	11
		Residential Vehicle	12
		High Occupancy Vehicle	13
		Car with Trailer	14
		Emergency Vehicle	15
		Taxi	16
		Public Bus	17
		Private Bus	18
		Military vehicle	19
		Delivery Truck	20
		Transport Truck	21
		Motorcycle	22
		Moped	23
		Bicycle	24
		Pedestrian	25
		Farm Vehicle	26
		Private	27
		Vehicle with water polluting load	28
		Vehicle with explosive load	29
		Vehicle with other dangerous load'	30

3.3.2 Attribute value codes for administrative areas**3.3.2.1 Codici provinciali**

ITALIA (4660)	
Novara	055
Vercelli	060
Torino	065
Cuneo	070
Asti	075
Alessandria	080
Biella	096
Lecco	097
Lodi	098
Rimini	099
Prato	100
Crotone	101
Vibo Valentia	102
Verbano-Cusio-Ossola	103
Imperia	105
Savona	110
Genova	115
La Spezia	120
Varese	155
Como	160
Sondrio	165
Brescia	170
Bergamo	175
Milano	180
Pavia	185
Cremona	190
Mantova	195
Bolzano	205
Trento	210
Belluno	255
Treviso	260
Venezia	265
Padova	270
Vicenza	275
Verona	280
Rovigo	285
Udine	305
Gorizia	310
Pordenone	315
Trieste	320
Piacenza	355
Parma	360
Reggio nell'Emilia	365
Modena	370
Bologna	375
Ferrara	380
Ravenna	385
Forlì	390

Massa-Carrara	405
Lucca	410
Pistoia	415
Firenze	420
Arezzo	425
Siena	430
Pisa	435
Livorno	440
Grosseto	445
Pesaro e Urbino	455
Ancona	460
Macerata	465
Ascoli Piceno	470
Perugia	505
Terni	510
Viterbo	555
Rieti	560
Roma	565
Frosinone	570
Latina	575
Teramo	605
Pescara	610
L'Aquila	615
Chieti	620
Campobasso	655
Isernia	660
Caserta	705
Benevento	710
Avellino	715
Napoli	720
Salerno	725
Foggia	755
Bari	760
Taranto	765
Brindisi	770
Lecce	775
Potenza	805
Matera	810
Cosenza	855
Catanzaro	860
Reggio di Calabria	865
Trapani	905
Palermo	910
Messina	915
Catania	920
Enna	925
Agrigento	930
Caltanissetta	935
Ragusa	940
Siracusa	945
Sassari	955
Oristano	960
Nuoro	965
Cagliari	970

3.3.3 Attribute value codes for brunnels

Attribute Type Name	Attribute Value Name	Attribute Type Code	Attribute Value Code
Brunnel Type	Bridge/underpass	BT	1
	Viaduct/underpass		2
	Aqueduct/underpass		3
	Overpass/Tunnel		4
	Not Classified		5

3.3.4 Attribute value codes for road furniture

Attribute Type Name	Attribute Value Name	Attribute Code	Type	Attribute Value Code
Direction		DI		
	Ahead			0
	Between ahead and right			1
	Right			2
	Between right and backward			3
	Backward			4
	Between backward and left			5
	Left			6
Symbol on Traffic Sign	Between left and ahead	SY		7
	All traffic			0
	Motor cycle			1
	Private car			2
	Private car with trailer			3
	Heavy Goods Vehicle			4
	Heavy Goods Vehicle with trailer			5
	Bus			6
	Motor vehicle, heaving a maximum speed 25 km/h			7
	Vehicle with other dangerous goods			8
	Vehicle with explosive goods			9
	Vehicle with water polluting goods			10
	Tram			11
	Train			12
	Bicycle			15
	Autobike (moped)			16
	Horse-drawn vehicle			17
	Rider			18
	Pedestrian			19
	Pedestrian with hand-drawn vehicle			20
	Speed			40
	Total Weight			50
	Weight per axle			51
	Width			52
	Height			53
	Length			54
Traffic Sign Class		TS		
	Right of Way			50
	Directional			51
	Right of Passage			52
	Signpost			53
	Route prohibition			54
	Stopping prohibition			55
	Warning sign			56
	Directional sign			57

3.4 Relationship Type Codes

3.4.1 Defined Type Codes

Code (in order)	Name	Features involved
1001	Road Element in Administrative Area	Order-8 Area Road Element
1002	Junction in Administrative Area	Order-8 Area Junction
1005	Building In Administrative Area	Order-8 Area Building
1006	Service in Administrative Area	Order-8 Area Service
1007	Built-up Area in Administrative Area	Order-8 Area Built-up Area
1009	Built-up Area in Administrative Area	Order-8 Area District
1010	Enclosed Traffic Area in Administrative Area	Order-8 Area Enclosed Traffic Area
1011	Road Element in Built-up Area	Built-up Area Road Element
1012	Junction in Built-up Area	Built-up Area Junction
1015	Building in Built-up Area	Built-up Area Building
1016	Service in Built-up Area	Built-up Area Service
1017	Enclosed Traffic Area in Built-up Area	Order-8 Area Built-up Area
1018	District in Built-up Area	Built-up Area District
1019	Road Element in District	District Road Element
1021	Building along Road Element	Road Element Building
1022	Service along Road Element	Road Element Service

Code (in order)	Name	Features involved
1023	Service along Road	Service Road
1024	Service at Junction	Junction Service
1025	Service at Intersection	Intersection Service
1026	Service belonging to Service	Service Service
1027	Road Element leading to Enclosed Traffic Area	Road Element Enclosed Traffic Area
1028	Road Element belonging to Service	Road Element Service
1029	Feature Centre belonging to Service	Feature Centre Feature
1030	Divided Junction	Junction Road Elements
1031	Road-related Object	Road Element Road furniture, Brunnel , Road-related object
2102	Restricted Manoeuvre	Road Element Junction Road Element Road Element
2103	Prohibited Manoeuvre	Road Element Junction Road Element Road Element
2104	Priority Manoeuvre	Road Element Junction Road Element Road Element
2128	Signpost Information	Sign Post Road Element Road Element Text
2200	Grade Separated Crossing	Transp. Element Transp. Element Brunnel

Code (in order)	Name	Features involved
2301	Traffic Sign in + Direction of Road Element	Traffic Sign Road Element
2302	Traffic Sign in + Direction of Road Element	Traffic Sign Road Element
2303	Traffic Light in + Direction of Road Element	Traffic Light Road Element
2304	Traffic Light in - Direction of Road Element	Traffic Light Road Element
7001	Route Link along Road Element	Route Link Road Element
7002	Stop Point of Route	Stop Point Route Element
7003	Stop Point along Road Element	Stop Point Road Element
7004	Stop Point at Junction	Stop Point Junction
7005	Stop Point reference for Service	Stop Point Service
7006	Public Transport point part of Route Link	Public Transport Point Route Link

3.4.2 User-defined Codes

Any Relationship type Code starting at 9000

3.5 EUROPEAN HORIZONTAL DATUMS (EXCL. USSR)

Code	Name
AAP	Agri (Danish GI 1934), Denmark
ABB	Akureiri, Iceland
ABJ	Amersfoort 1885, Netherlands
AGE	Athens Datum, Greece
AGF	Athens National Observatory, Greece
AHR	Belgian 1950 System (Lommel Signal), Belgium
AIH	Bern (1898), Switzerland
AJH	Borowa Gora, Poland
AJO	Bucharest, Rumania
AJT	Bulgarian, Bulgaria
ALH	Castanea delle Furie, Sicily
ALJ	Castelo di São Jorge, Lisbon, Portugal
AMH	Chernyy Verkh, Bulgaria
AOC	Danish Geodetic Institute 1934 System (AGRI), Denmark
AOT	Dorpat II, Estonia
APE	Dunnose, Great Britain
AQD	Erdohegy, Hungary
AQH	European Datum
ARO	French Hydrographic
ARR	Fuglenes, Norway
ASH	Gellerthegey, Hungary
ASI	Genoa 1908, Italy
ATH	Greek Datum, Greece
ATI	Greenwich Observatory, Great Britain and Ireland
ATK	Gronfjorden, Svalbard
ATS	Gurdia Vecchia, Sardinia, Italy
BAH	Habay-La-Neuve Base North End, Luxembourg
BAT	Helsinki, Kallio Church, Finland
BBD	Hjorsey 1955, Iceland
BED	Ireland 1965
BEL	Italian Triang 1913-1914
BID	Latvian, Latvia
BIK	Leros (Lerp-Pandelli) Dodecanese
BKG	Madrid 1853, Spain
BKM	Malta Datum, Malta Island
BLE	Marosvasarhely, Hungary
BNC	Monte Mario 1875, Rome Italy
BND	Monte Mario 1940, Rome, Italy.

Code	Name
BOJ	New British, Great Britain
BOK	New Bulgarian, Bulgaria
BOL	New Danish System (Buddings Station 1620, Copenhagen)
BOM	New French, France
BPD	Nicolai, Copenhagen, Denmark
BPJ	Nordlaguna, Jan Mayen Island
BQC	Observatoire d'Uccle, Belgium
BQE	Observatorio Astronomico de Madrid, Spain
BQH	Observatorul Astronomic Militar Din Bucuresti, Rumania
BQS	Old British (Greenwich Obs.), Great Britain and Ireland
BRH	Ordnance Survey of Great Britain (1936) Datum
BRN	Oslo Observatory (Old), Norway
BSG	Pandeli, Leros, Deodecanese, Greece
BSH	Pantheon, Paris, France
CAO	Potsdam (Helmertturm), Germany
CBP	Reval (Tallin), Estonia
CBQ	Reykjavik, Iceland
CBR	Riga Petera Baznica (St. Peter's Church, Riga), Latvia
CEN	Spitzbergen
CEP	Stockholm, Sweden
CHE	Thorshavn, Faeroes
CHL	Tirane, Albania
CLD	World Geodetic System 1960
CLE	World Geodetic System 1966
CLF	World Geodetic System 1972
CMN	Zvirblaiciai, Lithuania
CNA	World Geodetic System 1984

Nota: sono in grassetto i dati di interesse per la cartografia italiana

3.6 EUROPEAN GRID SYSTEMS (EXCL. USSR)

Code	Name
AE	Albania Bonne Grid
AN	Austria Gauss-Kruger Grid
AO	Azores Gauss Conformal Grid
AP	Azores Zone
AR	Bavaria Soldner Coordinate System
AS	Belgium Bonne Grid
AT	Belgium Lambert grid
BC	British Cassini Grid (10 km letters)
BD	British Cassini Grid (100 km letters)
BF	Bulgaria Gauss-Kruger
CC	Crete Zone
CG	Czechoslovak Military Grid
CH	Czechoslovak Uniform Cadastral Coordinate System
CJ	Danube Zone
CL	Denmark General Staff Grid
CM	Denmark Geodetic Institute System 1934
DB	Estonian Grid
DC	Fernando Po Gauss Grid
DE	Finland Gauss-Kruger Grid
DI	French Bonne Grid
DM	French Lambert Zone
DT	German Army Grid (DHG)
EA	German Gauss-Kruger
EC	Greece Azimuthal Grid
ED	Greece Bonne Grid
EE	Greece Conical Mecklenburg Coordinates
EF	Greece Conical Mecklenburg Coordinates (New Numbering)
ER	Hungary Stereographic grid
ET	Iceland New Lambert grid
FA	Iceland Zone
FK	Irish Cassini Grid
FL	Irish Transverse Mercator Grid
FM	Italy Gauss-Boaga Grid
FN	Italy Zone
GN	Lithuania Gauss-Kruger Grid
GP	Luxembourg Gauss-Kruger Grid
GR	Madeira Zone
HJ	Mediterranean Zone
HT	National Grid of Great Britain (metres)
JA	National Grid of Great Britain (yards)
JF	Netherlands Stereographic Grid (New Numbering)
JG	Netherlands Stereographic Grid (Old Numbering)
KC	North Italy Zone
KG	North European Zone
KK	Norway Gauss-Kruger Grid
LE	Poland Gauss-Kruger Grid
LF	Poland Quasi-Stereographic Grid
LG	Portugal Bonne Grid
LH	Portugal Gauss Grid
LP	Rumania Bonne Grid
LQ	Rumania Lambert-Cholesky Grid

Code	Name
LR	Rumania Stereographic Grid
MO	South Italy Zone
NC	Spain Lambert Grid
NF	Spitzbergen Zone
NG	Svalbard Gauss-Kruger Grid
NI	Sweden Gauss-Hanover Grid
NJ	Switzerland Bonne Grid
NK	Switzerland Conformal Oblique Cylindrical Grid
PC	Universal Polar Stereographic Grid
PD	UTM Grid; unspecified spheroid
PE	UTM Grid; International spheroid
PF	UTM Grid; Everest spheroid
PG	UTM Grid; Clarke 1866 spheroid
PH	UTM Grid; Clarke 1880 spheroid
PI	UTM Grid; Bessel spheroid
PJ	UTM Grid; Australian National spheroid
PK	UTM Grid; South American spheroid
PL	UTM Grid; unspecified WGS spheroid
PM	UTM Grid; WGS 1966 spheroid
PN	UTM Grid; WGS 1972 spheroid
RE	World Polyconic System
RG	Yugoslavia Gauss-Kruger Grid (Not reduced)
RH	Yugoslavia Reduced Gauss-Kruger Grid

Nota: sono in grassetto i dati di interesse per la cartografia italiana

3.7 EUROPEAN VERTICAL DATUMS (EXCL. USSR)

Code	Name
AE	Adjusted MSL 1891, Denmark
AK	Alicante, 1870-72, Spain
BK	Belfast, Ireland
BO	Berlin, Germany
CA	Brussels, Belgium
CE	Cagliari 1956, Sardinia
CM	Cascais 1881-1938, Portugal
DD	Constanta, Rumania
DI	Dansk N.N., Denmark
DS	Dublin Bay, Ireland
EA	Durres, Albania
ED	Errits, Denmark
EI	Genoa 1942, Italy
EP	Helsinki, Finland
FN	Irish Ordnance Datum (Poolbeg), Ireland
FP	Isle of Man Ordnance Datum, Great Britain
GA	Kavala, Greece
GF	Klaipeda (Memel), Lithuania
HQ	Malin Head, Ireland
HT	Marseille 1885-96, France
JG	Mediterranean, Italy (old-net)
KI	NADAP I, Hungary
KJ	NADAP II, Hungary
KL	Narvik, Norway
KP	Nord Norges Normal Null (NNN), Norway
KQ	Norges Normal Null, Norway
KR	Normaal Amsterdams Peil (NAP), Netherlands
KS	Normal Null (NN), Germany
KT	Normalh=hen (NH) System 1960, East Germany
LE	Ordnance Datum (Lerwick), Shetland Islands, Gr. Britain
LF	Ordnance Datum (Liverpool), Great Britain
LG	Ordnance Datum (Newlyn), 1921 Great Britain
LH	Ordnance Datum (Stornoway), Outer Herbrides, GR. Britain
LI	Ostende, Belgium
LL	Pierre du Niton, geneva, Switzerland
NC	Reykjavik, Iceland
PB	Split, Yugoslavia
PF	Stockholm, Sweden
PO	Tallin (Reval), Estonia
QA	Thessaloniki, Greece
QG	Torun, Poland
QI	Tregde, Norway
QJ	Trieste 1875 (Italy), Austria, Czechosl., Hung., Yugosl.
QO	Varna, Bulgaria
RG	General levelling, France
RO	Relative Ordinal
RM	Relative Metric

Nota: sono in grassetto i dati di interesse per la cartografia italiana

3.8 REFERENCE CODES FOR ELLIPSOIDS

Code	Name of Ellipsoid	Year Calculated
AIRY	Airy	1830
ANSY	Australian National	
BESS	Bessel	1841
BESM	Bessel	1841, modified
CLRK	Clarke	1858
CLAR	Clarke	1866
CLKE	Clarke	1880
CLKM	Clarke	1880, modified
DASP	Danish Special	
DELA	Delambre	1810
EVER	Everest	1830
EVEB	Everest	1830, modified
GERS	Geodetic Reference System	1967
HAYF	Hayford(= International)	1909
KRAS	Krassovski	1940
LAPE	Laplace	1802
WGSY	World Geodetic System	1984
OTHE	Other datum	

Note: If the code "OTHE" is used it must be directly followed by a General Comment in which the full name of the ellipsoid has to be described.

Nota: sono in grassetto i dati di interesse per la cartografia italiana

3.9 REFERENCE CODES FOR PROJECTIONS

Code	Name of Projection
MERC	Regular Mercator
TRAM	Transverse Mercator (synonymous to Gauss)
HOTI	Oblique Mercator - (Hotine version)
LAMB	Lambert Conformal Conic - with one standard parallel
LACO	Lambert Conformal Conic - with two standard parallels
STER	Stereographic
SOLD	Transverse Equidistant Cylindric (= Soldner; = Cassini)
BONN	Bonne projection
HATT	Azimuthal Equidistant (= Hatt; = Postel)
POLY	Polyconic - with all parallels equidistant
POCO	Polyconic - with orthogonal parameterlines and 1 equidistant parallel
POHE	Polyhedric
OTHE	Other projection type

Note: If the code "OTHE" is used a General Comment must be added to describe the projection used.

Nota: sono in grassetto i dati di interesse per la cartografia italiana