

# MultiNet

Europe 2013.06



## FORMATS

GDF ASCII Relational  
GDF ASCII Sequential

Shapefile  
Oracle Spatial

## HIGHLIGHTS

### Western Europe

#### General

- Iceland:** First release of MN Iceland (Pilot), resulting in 100% STNW FA coverage and House Number coverage for the entire country.

#### Improvements of addressing

- Austria/Switzerland:** Update and capturing of street names in many municipalities of Austria. (Windhaag bei Freistadt, Kirchberg ob der Donau, Oberneukirchen, Alkoven, Albeck, Kobenz, Trieben, Mistelbach, Graz, Leibnitz) and Switzerland(Lauenen, Neftenbach, Auswil, Marthalen, Steinhausen und Madiswilch).
- France:** Update of street names and house numbers performed in many municipalities spread all over country. Approximately ~15 200 Kms of roads have been attributed with street names and ~5100kms with house numbers. This update is covering mainly region of Provence Alpes Cote d'Azur, Midi-Pyrénées Region, Rhone-Alpes, Bretagne, Aquitaine, quitaine, Bourgogne, Bretagne, Languedoc-Roussillon, Lorraine, Midi-Pyrénées, Nord-Pas-de-Calsia, Pays de la Loire, Rhone-Alpes, Poitou Charente, Limousin, , Rhone-Alpes region, Bretagne, and Aquitaine.
- Germany:** Full update of house numbers coverage for D51 (South-East Bavaria), D58 (Mecklenburg-Vorpommern, Brandenburg, Berlin) and D64 (Schleswig-Holstein, Hamburg and Eastern part of Lower-Saxony). This update includes complete removal and re-importing house numbers based on latest source.
- Italy:** House number update performed in municipalities of Savona, Aosta, Cuneo, Andora, Albenga, Loano, Pietra Ligure, Boggio Verazzi, Finale Ligure, Spotorno, Bergeggi, Vado Ligure, Varazze, Arenzano, Portofino, Chiavari, Albissola Marina, Albisola Superiore, Grugliasco, Moncalieri, Chivasso, Mondovi, Orbassano, Beinasco, Rivalta di Torino, Borgo San Dalmazzo, Alba, Carmagnola, Lavagna, Chatillon, Laigueglia, Imperia, La Spezia, Vercelli.
- United Kingdom:** Update of house number ranges in the cities of: Aberdeen, Bath, Birmingham, Brighton, Cambridge, Cardiff, Chester, Dover, Dundee, Edinburgh, Exeter, Glasgow, Lincoln, Liverpool, Norwich, Nottingham, Oxford, Perth, Plymouth, Portsmouth, Swansea, Windsor, Leicester, Peterborough, Southampton, Stoke-on-Trent.

#### Improvements of Routing & Guidance

- Continuation of Speed category values update using free flow speeds or average speeds. This action is performed on all countries and is performed to improve the quality of speed category value which had been calculated before using algorithm based on road class, form of way, etc and had not always been very accurate.
- Update done on Exonyms on all countries. This update includes addition of Exonyms in language German, English, French, Spanish even when identical to official names in official language.
- Belgium:** Review of FRCs on Higher Functional road class performed in Belgium.
- Finland:** Update of speed restrictions on all FRC's spread in complete country. Approx. ~3000 kms updated. Implementation of TMC-table from FinnRa, version 1.9.
- Germany:** Update of Speed restrictions and verification flag spread all over all Germany. Main update is performed in Hessen, Rheinland-Pfalz and Saarland.
- Spain, Portugal and Andorra:** 36 000kms of Major Road Network and Inter-connecting road network updated for signposts, Lanes, Manoeuvres throughout the country.

#### Other

- Norway:** Update performed on road geometry (new geometry as well as realignment), Street names, House numbers throughout the whole country. Approx. ~356kms of new geometry and ~3000 new street names are created.
- Sweden:** Update of geometry spread all over the country. Approx. ~10 000 kms of new road geometry added.

- Spain, Portugal and Andorra:** Re-alignment performed to improve positional accuracy on approx. 17 000kms of roads for all functional road class, in many cities spread all over country.

### Eastern Europe

#### General

- Bulgaria:** Pernik updated from STNW-BAS to STNW-FA, resulting in 58.52% STNW FA coverage.
- Hungary:** Kiszvárd, Makó, Mátészalka, Sándorfalva, Tiszavasvári upgraded from STNW BA to STNW FA resulting in 66% STNW FA coverage.
- Malta:** Re-alignment of geometry done in whole country, on all functional road classes.
- Montenegro:** Update on geometry performed. This update mainly includes capturing of ~757 Kms of road network to have access to isolated centre of settlements spread all over the country.
- Russia:** Creation of Street network (Basic Attributed) in: Artem, Berdsk, Biysk, Blagoveshchensk, Kamensk-Ural'skiy, Kansk, Komsomol'sk-na-Amure, Kopeysk, Kyzyl, Leninsk-Kuznetskiy, Novotroitsk, Orsk, Ukhta leading to 54.33M coverage. Georgiyevsk, Kislovodsk, Lermontov, Mineral'nyye Vody, Pyatigorsk, Rybinsk, Yessentuki and 23 municipalities of Moscow region upgraded from STNW BA to STNW FA resulting in 41.21% STNW FA coverage.
- Serbia:** Update on geometry performed. This update mainly includes capturing of ~1740 Kms of road network to have access to isolated centre of settlements spread all over the country.
- Slovenia:** Creation of STNW-FA in Cerklje na Gorenjskem, Jezersko, Preddvor, Tržič, Dobje, Štore, Ilirska Bistrica, Postojna resulting in 75.6% STNW FA coverage.
- Turkey:** Creation Street Network (upgrade from ICNW) resulting in 84.26% STNW BA coverage. Extension of STNW FA (from STNW BA) coverage in more than 200 cities resulting in 81.24% STNW FA coverage.
- Ukraine:** Creation of Street network (Basic Attributed) in: Enerhodar, Kovel', Zhovti Vody leading to 44.54% STNW BA coverage

#### Improvements of addressing

- Greece:** Capturing of squares in main part of Greece as feature type address area. Approx. ~105 squares are captured.
- Hungary:** Creation of Postal districts for complete country.
- Poland:** House numbers, geometry and street names updated in 20 towns: Gliwice, Ruda Śląska, Rybnik, Tychy, Chorzów, Jaworzno, Siemianowice Śląskie, Dąbrowa Górnicza, Jastrzębie-Zdrój, Mysłowice, Żory, Wodzisław Śląski, Rydułtowy, Pyskowice, Radlin, Radzionków, Pszów, Sławków, Szczecin, Swarzędz
- Turkey:** Extension of House Numbers leading to 51.99% coverage.

#### Improvements of Routing & Guidance

- Czech Republic:** Update of lane information and signpost for Kolin bypass, R48 Rychaltice and D1 Bohumin.
- Hungary:** Update of signposts, lane information, geometry, road classification, manoeuvres, form of way, route numbers, vehicle type restrictions, direction of traffic flow, speed restrictions, grade separate crossings, blocked passage, ramp information on approx. ~565kms of FRC 0 and FRC 1 in the eastern part of Hungary.
- Poland:** Implementation of Mediamobile version 2.5 TMC table. Update of signposts, lane information, geometry, road classification, manoeuvres, form of way, route numbers, vehicle type restrictions, direction of traffic flow, speed restrictions, back roads, grade separate crossings, blocked passage, ramp information on approx. ~5000kms of Major Road network spread all over country.
- Romania:** Implementation of TrafficNav 2.0 TMC table
- Slovakia:** ~4400 Kms of functional road class 2 and 3 updated (features: Lane information, signpost, speed category) spread all over the country.

# MultiNet

## Europe 2013.06

COUNTRY	ROAD COVERAGE (% OF POPULATION)					ATTRIBUTES INCLUDED IN THE MULTINET DIGITAL MAP							
	STNW		ICNW	MRNW	Total Road Length (km)	Core POIs	House Number Ranges	Lane Information	Inner City Lanes	Postal Code	Verified Speed Information	RDS/TMC	Signpost Information
	FA	BA											
Albania*	0%	0%	0%	100%	650	58	0%						✓
Austria	100%	0%	100%	100%	214,786	18,494	100%	✓	✓	✓	✓	✓	✓
Belarus*	0%	0%	0%	100%	5,504	280	0%						✓
Belgium/ Luxembourg	100%	0%	100%	100%	125,988	5,253	100%	✓	✓	✓	✓	✓	✓
Bosnia-Herzegovina*	0%	0%	0%	100%	1,377	42	0%						✓
Bulgaria	45.3%	13.3%	100%	100%	65,883	5,553	56.2%	✓			✓		✓
Croatia	62.7%	37.3%	100%	100%	148,834	7,389	27.9%	✓		✓	✓	✓	✓
Cyprus**	46%	6.1%	76.9%	76.9%	9,535	651	48%						
Czech Republic	100%	0%	100%	100%	157,049	22,104	44.2%	✓		✓	✓	✓	✓
Denmark	100%	0%	100%	100%	119,961	8,470	100%	✓	✓	✓	✓	✓	✓
Estonia	58.5%	41.5%	100%	100%	78,086	6,371	100%	✓	✓	✓	✓	✓	✓
Finland	100%	0%	100%	100%	422,488	15,391	100%	✓	✓	✓	✓	✓	✓
France	100%	0%	100%	100%	1,552,206	130,647	97.0%	✓	✓	✓	✓	✓	✓
Germany	100%	0%	100%	100%	1,286,794	103,219	100%	✓	✓	✓	✓	✓	✓
Greece	96.9%	3.1%	100%	100%	246,326	16,235	84.7%	✓		✓	✓	✓	✓
Hungary	66.0%	34.0%	100%	100%	114,977	7,781	100%	✓	✓	✓	✓	✓	✓
Iceland	0.0%	100.0%	100%	100%	31,931	155	100%						
Italy	100%	0%	100%	100%	980,982	76,101	90.3%	✓	✓	✓	✓	✓	✓
Latvia	55.5%	44.5%	100%	100%	81,002	5,694	100.0%	✓	✓	✓	✓	✓	✓
Lithuania	100%	0%	100%	100%	71,404	16,287	100%	✓	✓	✓	✓	✓	✓
Macedonia*	0%	0%	0%	100%	985	97	0%						✓
Malta	100%	0%	100%	100%	3,606	136	0%						
Moldova*	0%	0%	0%	100%	874	126	0%						✓
Montenegro**	0%	100%	0%	100%	7,296	27	27%						✓
Norway	100%	0%	100%	100%	221,944	86,730	100%	✓	✓	✓	✓	✓	✓
Poland	67.9%	32.1%	100%	100%	520,569	64,603	66.5%	✓	✓	✓	✓	✓	✓
Portugal	100%	0%	100%	100%	254,273	19,325	87.1%	✓	✓	✓	✓	✓	✓
Republic of Ireland	100%	0%	100%	100%	105,465	7,862	100%	✓	✓	✓	✓	✓	✓
Romania	33.8%	66.2%	100%	100%	219,667	14,107	43.0%	✓		✓	✓	✓	✓
Russia	41.2%	13.1%	100%	100%	1,229,867	72,627	47.7%	✓	✓	✓	✓	✓	✓
Serbia**	0%	72.3%	100%	100%	69,550	107	58%						✓
Slovakia	100%	0%	100%	100%	81,123	9,319	52.9%	✓		✓	✓	✓	✓
Slovenia	75.6%	24.4%	100%	100%	105,429	6,673	100%	✓		✓	✓	✓	✓
Spain	100%	0%	100%	100%	1,061,364	54,560	100%	✓	✓	✓	✓	✓	✓
Sweden	100%	0%	100%	100%	595,714	123,129	100%	✓	✓	✓	✓	✓	✓
Switzerland	100%	0%	100%	100%	103,427	11,924	100%	✓	✓	✓	✓	✓	✓
The Netherlands	100%	0%	100%	100%	158,737	5,799	100%	✓	✓	✓	✓	✓	✓
Turkey	81.2%	3.0%	100%	100%	536,168	107,213	52.0%	✓	✓	✓	✓	✓	✓
Ukraine	6.5%	38.1%	100%	100%	271,593	32,732	41.5%						✓
United Kingdom	100%	0%	100%	100%	591,867	39,559	100%	✓	✓	✓	✓	✓	✓

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.

\*Connector Roads countries

\*\*ConnectPlus

# MultiNet

## Europe 2013.06

### ENHANCEMENT PRODUCTS

Country	Address Points	Logistics	ADA	Enterprise Traffic	Speed Profiles	MultiNet POIs	Voice Maps	Advanced City Models (3D)	2D City Maps	Landmark Icons/3D Landmarks	Junction Views
Albania*					✓	✓					
Austria		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Belarus*						✓					
Belgium/ Luxembourg		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bosnia-Herzegovina*						✓					
Bulgaria		✓	✓			✓				✓	✓
Croatia		✓	✓		✓	✓			✓	✓	✓
Cyprus**						✓					
Czech Republic	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Denmark		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Estonia		✓	✓		✓	✓		✓	✓	✓	✓
Finland		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
France	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Germany	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Greece		✓	✓		✓	✓	✓	✓	✓	✓	✓
Hungary		✓	✓		✓	✓	✓		✓	✓	✓
Iceland						✓					
Italy		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Latvia		✓	✓		✓	✓		✓	✓	✓	✓
Lithuania		✓	✓		✓	✓		✓	✓	✓	✓
Macedonia*						✓					
Malta				✓	✓	✓	✓			✓	
Moldova*						✓					
Montenegro**					✓	✓					
Norway		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Poland		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Portugal		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Republic of Ireland	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Romania		✓	✓			✓		✓	✓	✓	✓
Russia	✓	✓	✓			✓	✓		✓	✓	✓
Serbia**					✓	✓					
Slovakia		✓	✓		✓	✓			✓	✓	✓
Slovenia		✓	✓		✓	✓			✓	✓	✓
Spain	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sweden		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Switzerland		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
The Netherlands		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Turkey		✓	✓		✓	✓	✓		✓	✓	✓
Ukraine						✓			✓	✓	✓
United Kingdom		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

For more details on each enhancement product, see the specific info sheet.  
 Release dates of enhancement products may differ from the MultiNet release date. This table is based on the latest data available.

\*Connector Roads countries      \*\*ConnectPlus

# MultiNet

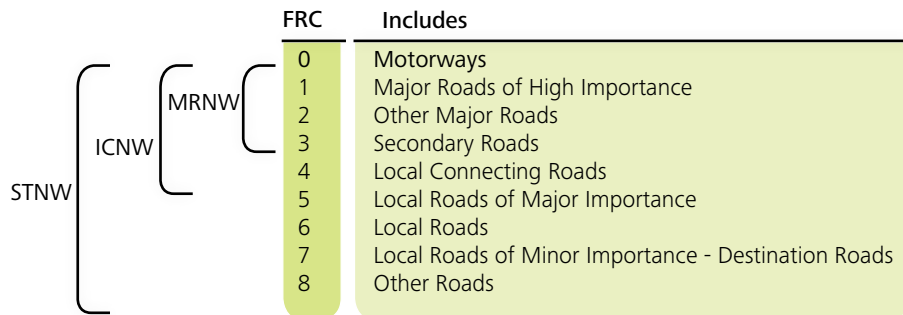
## Europe 2013.06

### GLOSSARY

#### Coverage can be defined by different road network types

- Major Road Network (MRNW): is comprised of freeways, motorways, and limited access highways
- Interconnecting Network (ICNW): intermediate network that contains all roads necessary to connect one Municipality to another; includes all Major Road Network as well as connecting roads of high and medium importance
- Street Network (STNW): the most detailed network; it encompasses the entire road network, including local roads and destination roads, as well as Interconnecting and Major Road Networks

#### Different road network types are categorized by Functional Road Classes (FRC)



#### Street Network is split into

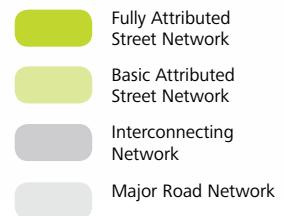
- **Basic Attributed Street Network (BA STNW):** all streets are captured but may not be completely attributed for standard content; most important roads, in general FRC 0-6 will be fully attributed, but less important roads may be incomplete. Supports routing, geocoding and display
- **Fully Attributed Street Network (FA STNW):** all streets are captured and are completely attributed for standard content; this map data is suitable for the most demanding high-end applications, such as turn-by-turn navigation and traffic telematics

#### Connector Roads

Major roads connecting larger cities of neighboring countries

# MultiNet

Austria 2013.06



## GENERAL STATISTICS

Population	8.032.926
Area (km <sup>2</sup> )	83.860
Capital	Vienna
Municipalities	2.357

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update and capturing of street names in many municipalities of Austria. (Windhaag bei Freistadt, Kirchberg ob der Donau, Oberneukirchen, Alkoven, Albeck, Kobenz, Trieben, Mistelbach, Graz, Leibnitz ) and Switzerland(Lauenen, Neftenbach, Auswil, Marthalen, Steinhausen und Madiswilch)

AUT	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	2357	2357
Inhabitants	8.032.926	8.032.926
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	2.357	2.357
Inhabitants	8.032.926	8.032.926
Major Road Network (MRNW) % population	100%	100%
Municipality	2.357	2.357
Inhabitants	8.032.926	8.032.926
km road total	214.553	214.786

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	18.494	18.495

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Belgium 2013.06



## GENERAL STATISTICS

Population	10.984.468
Area (km <sup>2</sup> )	30.545
Capital	Brussels
Municipalities	589

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Review of FRCs on Higher Functional road class performed in Belgium.

BEL	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	589	589
Inhabitants	10.984.468	10.984.468
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	589	589
Inhabitants	10.984.468	10.984.468
Major Road Network (MRNW) % population	100%	100%
Municipality	589	589
Inhabitants	10.984.468	10.984.468
km road total	116.255	116.407

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	5.253	5.254

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

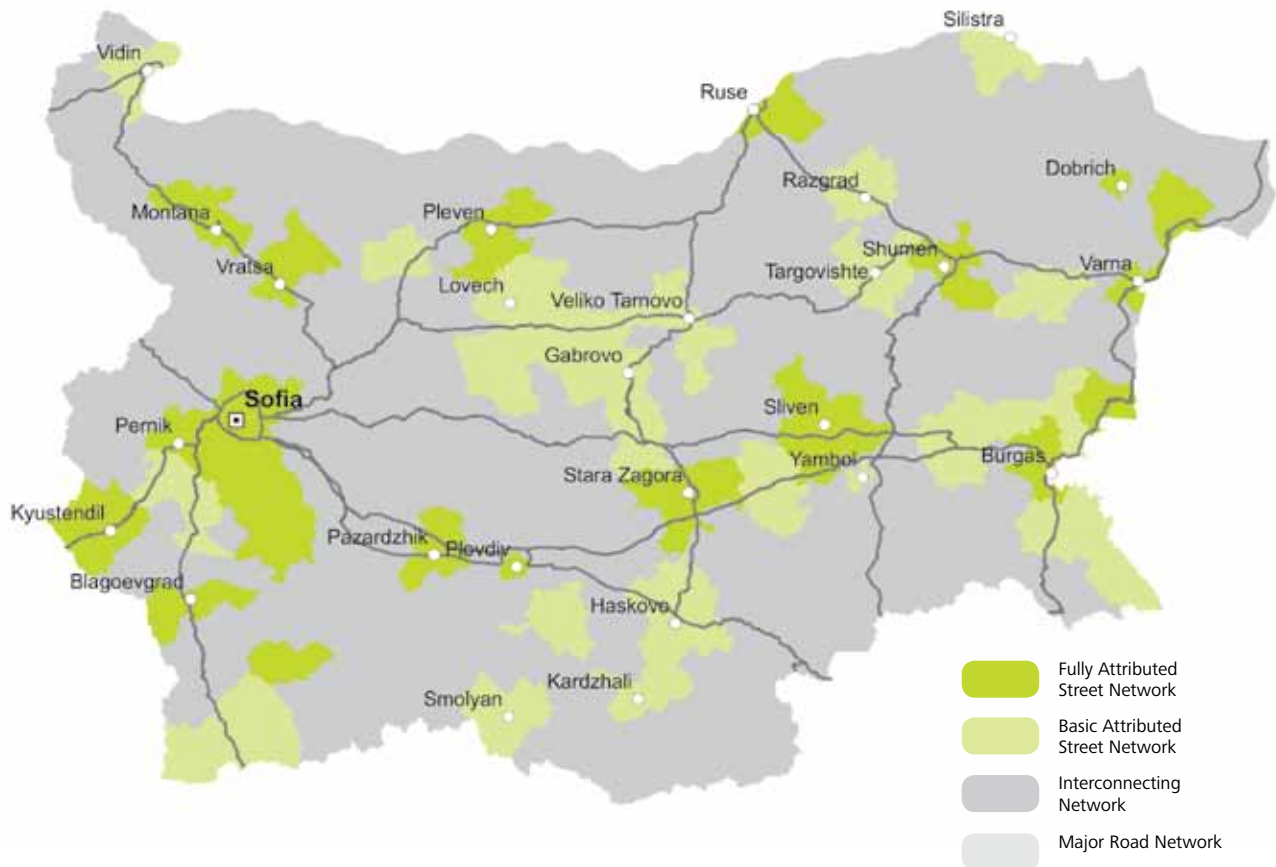
[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Bulgaria 2013.06



## GENERAL STATISTICS

Population	7.718.219
Area (km <sup>2</sup> )	111.029
Capital	Sofia
Municipalities	264

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Pernik updated from STNW-BAS to STNW-FA, resulting in 58.52% STNW FA coverage.

BGR	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	58,3%	58,5%
Fully Attributed % population	44,0%	45,3%
Municipality	19	20
Inhabitants	3.394.582	3.493.406
Basic Attributed % population	14,3%	13,3%
Municipality	31	30
Inhabitants	1.103.827	1.022.927
Interconnecting Network (ICNW) % population	100%	100%
Municipality	265	265
Inhabitants	7.718.219	7.718.219
Major Road Network (MRNW) % population	100%	100%
Municipality	265	265
Inhabitants	7.718.219	7.718.219
km road total	65.042	65.883

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	•	•
Postal code	•	•
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	•	•
House number ranges	56,2%	56,2%
Core Points of Interest	5.553	5.565

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

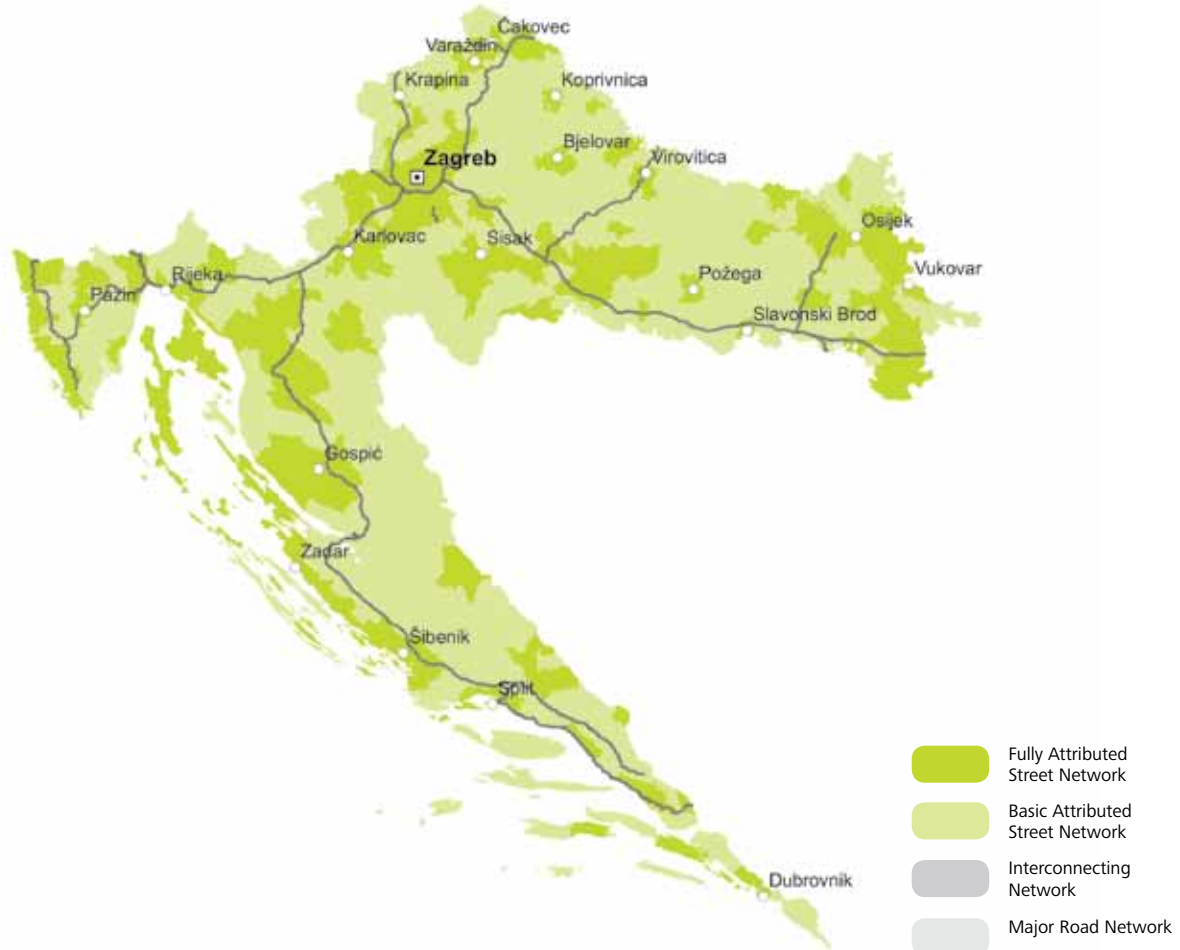
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Croatia 2013.06



## GENERAL STATISTICS

Population	4.433.739
Area (km <sup>2</sup> )	56.630
Capital	Zagreb
Municipalities	546

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

HRV	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	62,7%	62,7%
Municipality	155	155
Inhabitants	2.781.149	2.781.149
Basic Attributed % population	37,3%	37,3%
Municipality	392	392
Inhabitants	1.652.590	1.652.590
Interconnecting Network (ICNW) % population	100%	100%
Municipality	547	547
Inhabitants	4.433.739	4.433.739
Major Road Network (MRNW) % population	100%	100%
Municipality	547	547
Inhabitants	4.433.739	4.433.739
km road total	148.163	148.834

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	•	•
House number ranges	27,9%	27,9%
Core Points of Interest	7.389	7.468

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

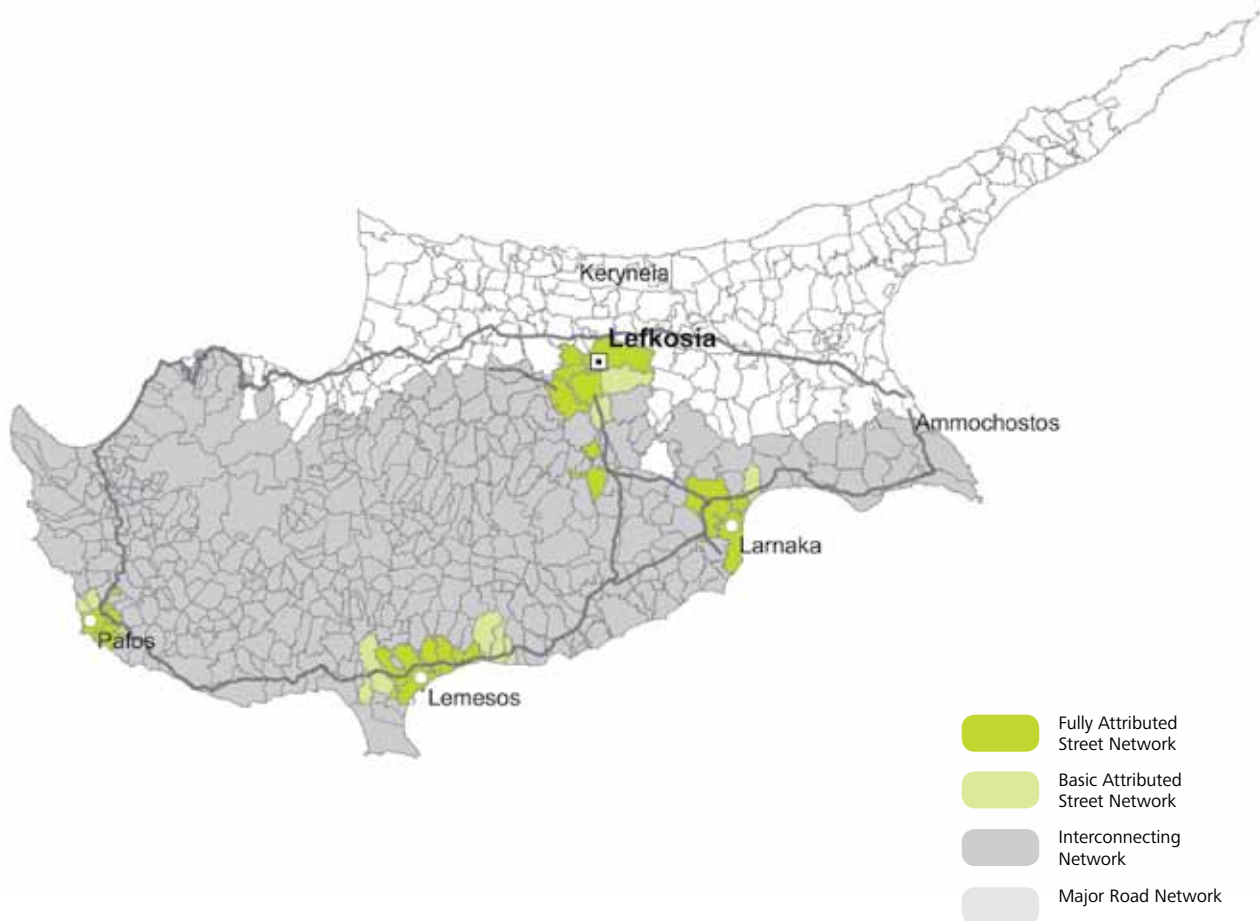
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# ConnectPlus

Cyprus 2013.06



## GENERAL STATISTICS

Population	901.231
Area (km <sup>2</sup> )	9.248
Capital	Nicosia
Municipalities	518

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

CYP	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	51,6%	51,6%
Fully Attributed % population	45,5%	45,5%
Municipality	21	21
Inhabitants	410.458	410.458
Basic Attributed % population	6,1%	6,1%
Municipality	11	11
Inhabitants	54.786	54.786
Interconnecting Network (ICNW) % population	77%	77%
Municipality	416	416
Inhabitants	693.420	693.420
Major Road Network (MRNW) % population	77%	77%
Municipality	416	416
Inhabitants	693.420	693.420
km road total	9,434	9,535

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	•	•
Postal code	•	•
Signpost	•	•
Lane information	•	•
Inner City Lanes	•	•
House number ranges	48,1%	48,1%
Core Points of Interest	651	651

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

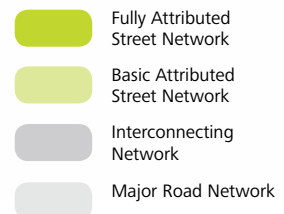
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Czech Republic 2013.06



## GENERAL STATISTICS

Population	10.380.971
Area (km <sup>2</sup> )	78.866
Capital	Prague
Municipalities	6.251

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update of lane information and signpost for Kolin bypass, R48 Rychaltice and D1 Bohumín.

CZE	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	6251	6251
Inhabitants	10.380.971	10.380.971
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	6.251	6.251
Inhabitants	10.380.971	10.380.971
Major Road Network (MRNW) % population	100%	100%
Municipality	6.251	6.251
Inhabitants	10.380.971	10.380.971
km road total	156.343	157.049

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	44,2%	44,2%
Core Points of Interest	22.104	22.109

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

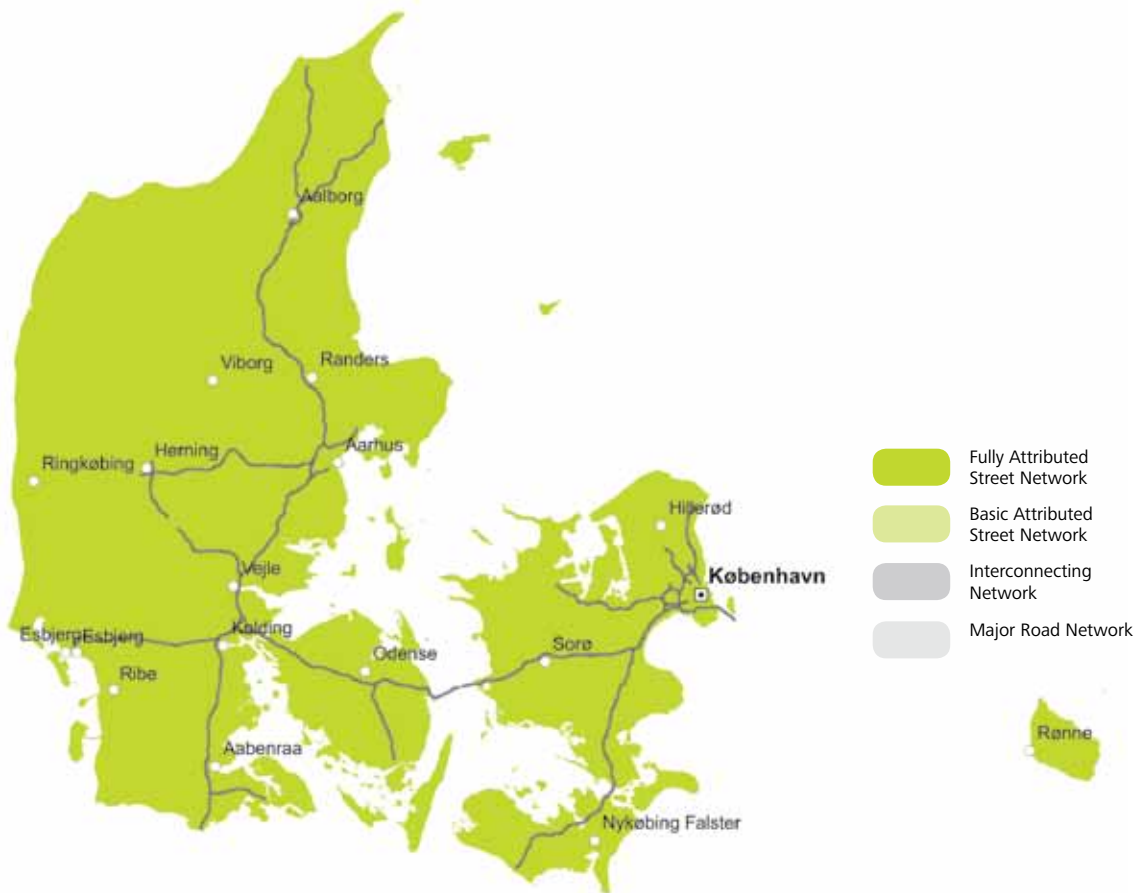
[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Denmark 2013.06



## GENERAL STATISTICS

Population	5.580.516
Area (km <sup>2</sup> )	42.750
Capital	København
Municipalities	99

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

DNK	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	99	99
Inhabitants	5.580.516	5.580.516
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	99	99
Inhabitants	5.580.516	5.580.516
Major Road Network (MRNW) % population	100%	100%
Municipality	99	99
Inhabitants	5.580.516	5.580.516
km road total	119.903	119.961

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	8.470	8.472

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

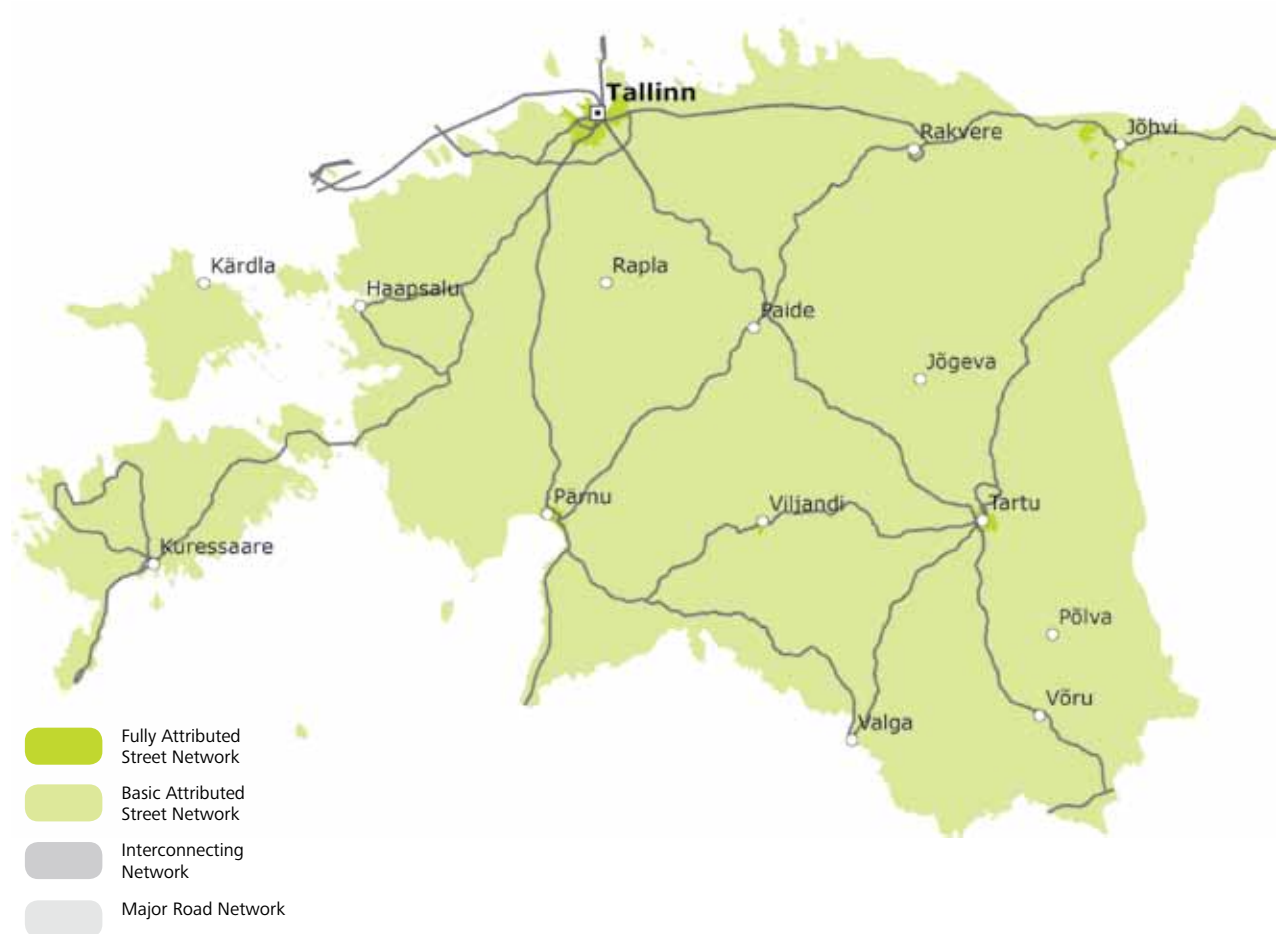
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Estonia 2013.06



## GENERAL STATISTICS

Population	1.356.045
Area (km <sup>2</sup> )	45.290
Capital	Tallinn
Municipalities	233

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

EST	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100%	100%
Fully Attributed % population	58,5%	58,5%
Municipality	15	15
Inhabitants	793.075	793.075
Basic Attributed % population	41,5%	41,5%
Municipality	218	218
Inhabitants	562.970	562.970
Interconnecting Network (ICNW) % population	100%	100%
Municipality	233	233
Inhabitants	1.356.045	1.356.045
Major Road Network (MRNW) % population	100%	100%
Municipality	233	233
Inhabitants	1.356.045	1.356.045
km road total	78.086	78.086

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	•	•
House number ranges	100%	100%
Core Points of Interest	6.371	6.372

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Finland 2013.06



## GENERAL STATISTICS

Population	5.375.276
Area (km <sup>2</sup> )	338.424
Capital	Helsinki
Municipalities	336

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update of speed restrictions on all FRC's spread in complete country. Approx. ~3000 kms updated. Implementation of TMC-table from FinnRa, version 1.9.

FIN	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	336	320
Inhabitants	5.375.276	5.375.276
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	336	320
Inhabitants	5.375.276	5.375.276
Major Road Network (MRNW) % population	100%	100%
Municipality	336	320
Inhabitants	5.375.276	5.375.276
km road total	422.302	422.488

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	15.391	15.389

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

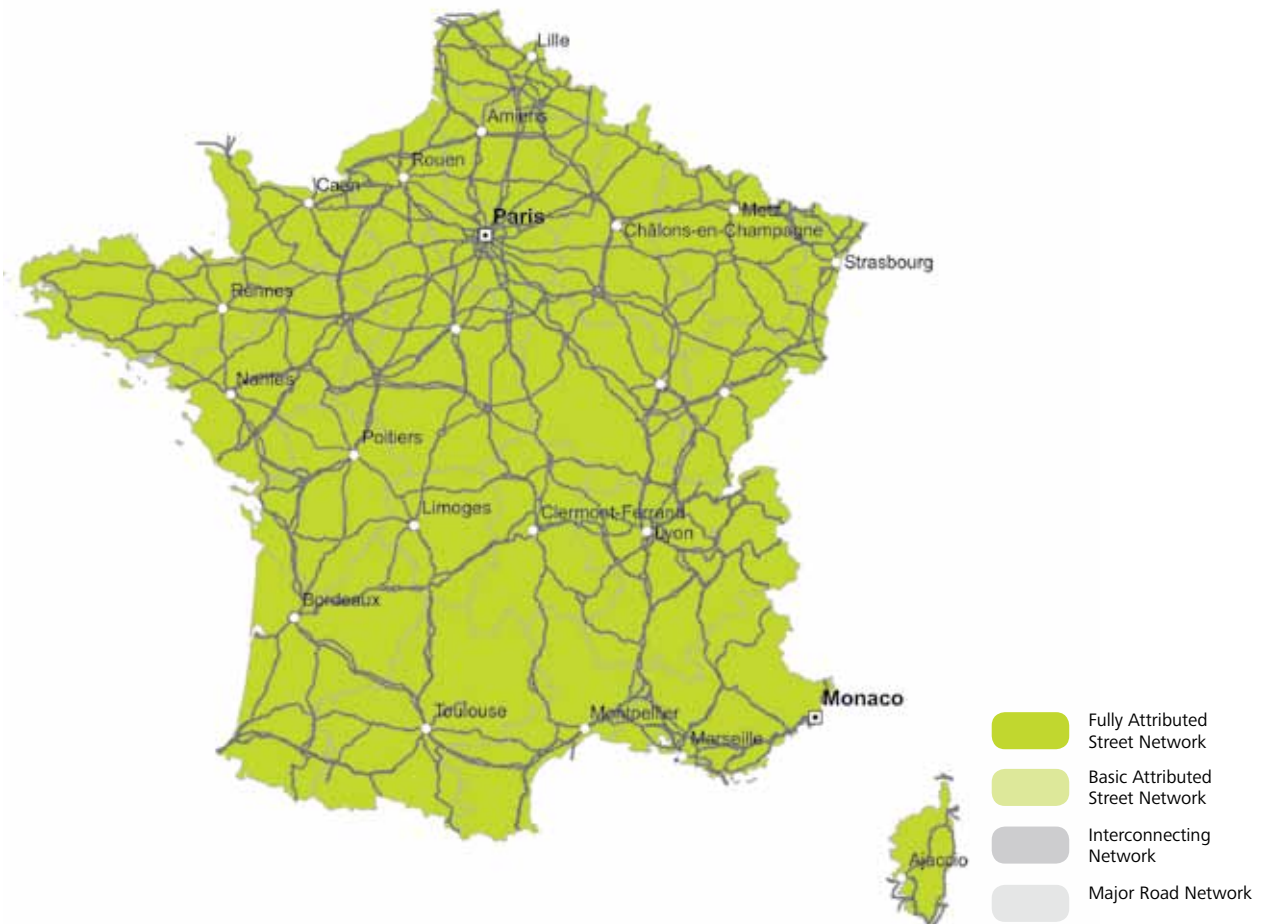
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

France 2013.06



## GENERAL STATISTICS

Population	63.983.083
Area (km <sup>2</sup> )	544.340
Capital	Paris
Municipalities	36.575

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update of street names and house numbers performed in many municipalities spread all over country. Approximately ~15 200 Kms of roads have been attributed with street names and ~5100kms with house numbers. This update is covering mainly region of Provence Alpes Cote d'Azur, Midi-Pyrénées

Region, Rhone-Alpes, Bretagne, Aquitaine, quitaine, Bourgogne, Bretagne, Languedoc-Rousillon, Lorraine, Midi-Pyrénées, Nord-Pas-de-Calsia, Pays de la Loire, Rhone-Alpes, Poitou Charente, Limousin, , Rhone-Alpes region, Bretagne, and Aquitaine.

FRA	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	36575	36571
Inhabitants	63.956.943	63.983.083
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	36.575	36.571
Inhabitants	63.956.943	63.983.083
Major Road Network (MRNW) % population	100%	100%
Municipality	36.575	36.571
Inhabitants	63.956.943	63.983.083
km road total	1.549.662	1.552.206

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	97,0%	97,0%
Core Points of Interest	130.647	130.613

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Germany 2013.06



## GENERAL STATISTICS

Population	<b>82.314.906</b>
Area (km <sup>2</sup> )	<b>357.109</b>
Capital	<b>Berlin</b>
Municipalities	<b>11.443</b>

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Full update of house numbers coverage for D51 (South-East Bavaria), D58 (Mecklenburg-Vorpommern, Brandenburg, Berlin) and D64 (Schleswig-Holstein, Hamburg and Eastern part of Lower-Saxony). This update includes complete removal and re-importing house numbers based on latest source.
- Update of Speed restrictions and verification flag spread all over all Germany. Main update is performed in Hessen, Rheinland-Pfalz and Saarland.

DEU	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	11374	11304
Inhabitants	82.314.906	82.314.906
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	11.374	11.304
Inhabitants	82.314.906	82.314.906
Major Road Network (MRNW) % population	100%	100%
Municipality	11.374	11.304
Inhabitants	82.314.906	82.314.906
km road total	1.285.674	1.286.794

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	103.219	103.203

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Greece 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network



## GENERAL STATISTICS

Population	10.934.097
Area (km <sup>2</sup> )	132.029
Capital	Athens
Municipalities	1.034

## FORMATS

- GDF ASCII Relational
- GDF ASCII Sequential
- Shapefile
- Oracle Spatial

GRC	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100%	100%
Fully Attributed % population	96,8%	96,9%
Municipality	265	265
Inhabitants	10.589.509	10.477.158
Basic Attributed % population	3,2%	3,1%
Municipality	61	61
Inhabitants	344.588	338.039
Interconnecting Network (ICNW) % population	100%	100%
Municipality	326	326
Inhabitants	10.934.097	10.815.197
Major Road Network (MRNW) % population	100%	100%
Municipality	326	326
Inhabitants	10.934.097	10.815.197
km road total	245.894	246.326

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	•	•
House number ranges	84,7%	84,7%
Core Points of Interest	16.235	16.239

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

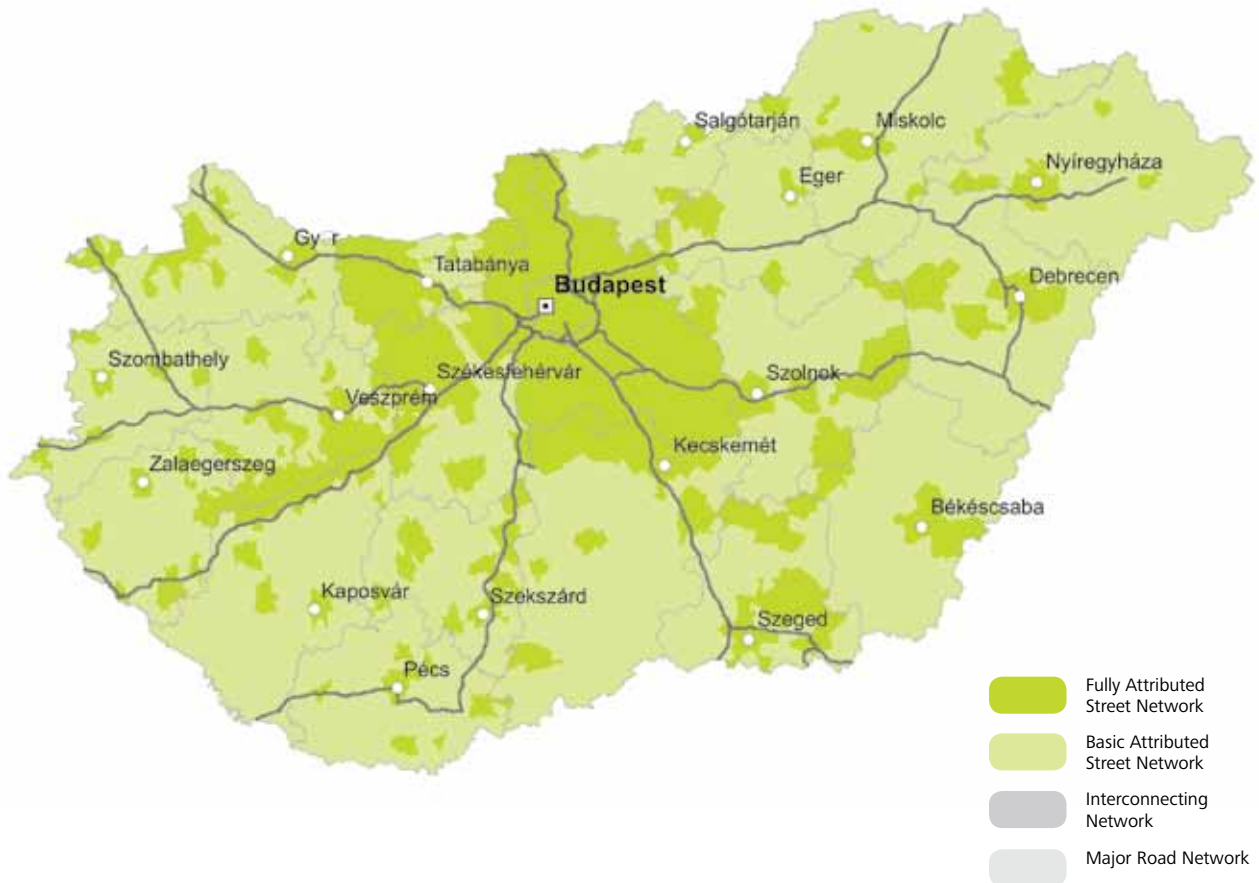
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Hungary 2013.06



## GENERAL STATISTICS

Population	10.030.975
Area (km <sup>2</sup> )	93.028
Capital	Budapest
Municipalities	3.152

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Kisvárda, Makó, Mátészalka, Sándorfalva, Tiszavasvári upgraded from STNW BA to STNW FA resulting in 66% STNW FA coverage.
- Creation of Postal districts for complete country.
- Update of signposts, lane information, geometry, road classification, manoeuvres, form of way, route numbers, vehicle type restrictions, direction of traffic flow, speed restrictions, grade separate crossings, blocked passage, ramp information on approx. ~565kms of FRC 0 and FRC 1 in the eastern part of Hungary

HUN	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100%	100%
Fully Attributed % population	65,2%	66,0%
Municipality	492	497
Inhabitants	6.540.587	6.620.577
Basic Attributed % population	34,8%	34,0%
Municipality	2.662	2.657
Inhabitants	3.490.388	3.410.398
Interconnecting Network (ICNW) % population	100%	100%
Municipality	3.154	3.154
Inhabitants	10.030.975	10.030.975
Major Road Network (MRNW) % population	100%	100%
Municipality	3.154	3.154
Inhabitants	10.030.975	10.030.975
km road total	114.278	114.977

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100%	100%
Core Points of Interest	7.781	7.779

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

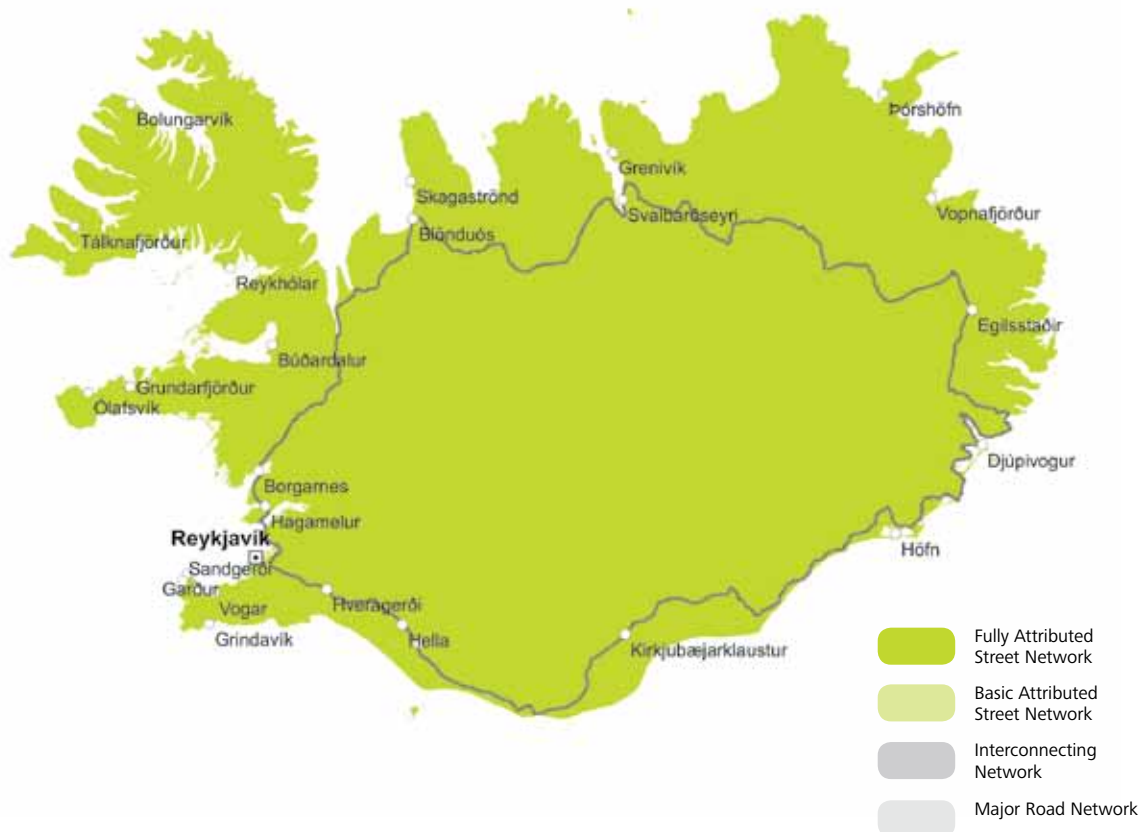
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Iceland 2013.06



## GENERAL STATISTICS

Population	311.396
Area (km <sup>2</sup> )	100.250
Capital	Reykjavík
Municipalities	124

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

ISL	CURRENT RELEASE
Street Network (STNW) % population	100,0%
Fully Attributed % population	0,0%
Municipality	0
Inhabitants	0
Basic Attributed % population	0,0%
Municipality	131
Inhabitants	311.396
Interconnecting Network (ICNW) % population	100%
Municipality	8.102
Inhabitants	311.396
Major Road Network (MRNW) % population	100%
Municipality	131
Inhabitants	60.659.380
km road total	31.931

CONTENTS	CURRENT RELEASE
RDS/TMC	•
Postal code	•
Signpost	•
Lane information	✓
Inner City Lanes	•
House number ranges	100,0%
Core Points of Interest	165

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

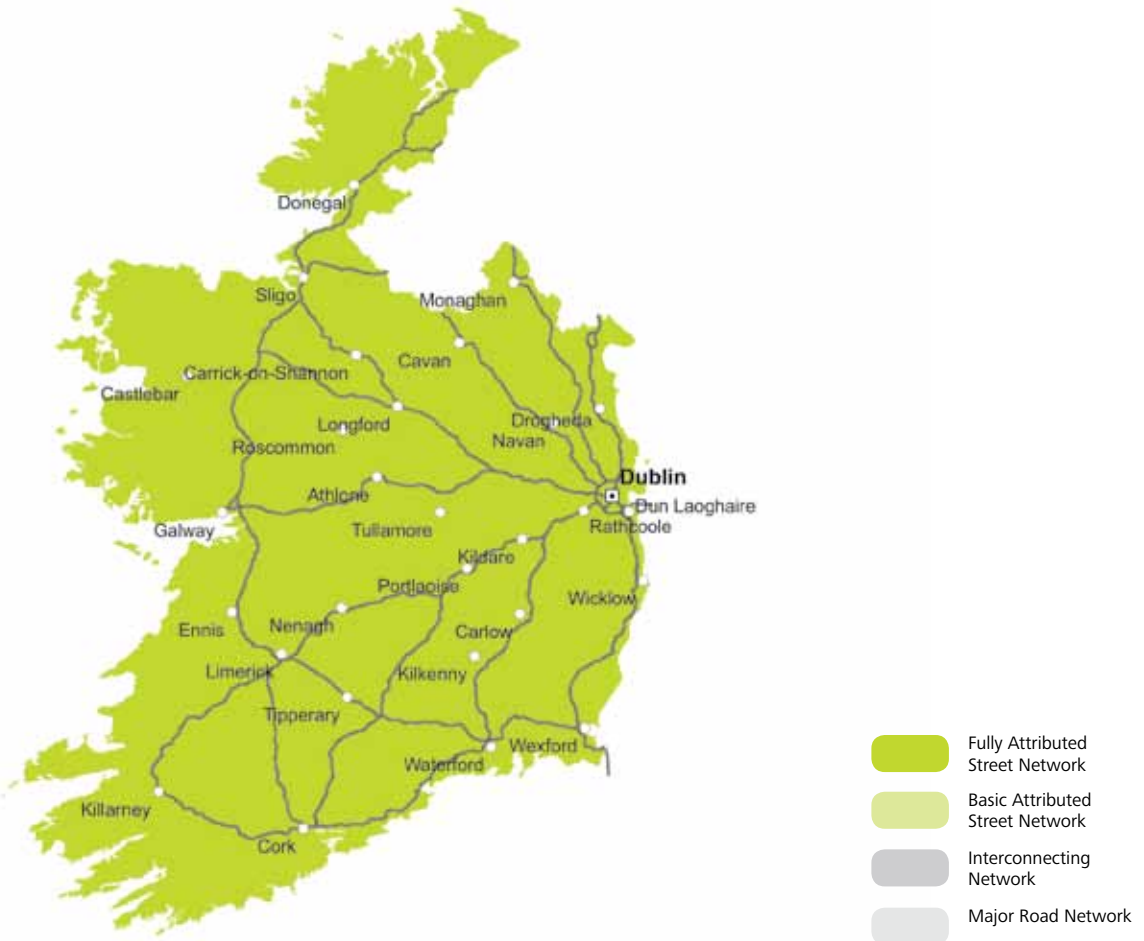
[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Ireland 2013.06



## GENERAL STATISTICS

Population	4.588.252
Area (km <sup>2</sup> )	70.285
Capital	Dublin
Municipalities	30

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

IRE	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	30	30
Inhabitants	4.588.252	4.588.252
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	30	30
Inhabitants	4.588.252	4.588.252
Major Road Network (MRNW) % population	100%	100%
Municipality	30	30
Inhabitants	4.588.252	4.588.252
km road total	105.195	105.465

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	7.862	7.862

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Italy 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network

## GENERAL STATISTICS

Population	60.659.221
Area (km <sup>2</sup> )	301.398
Capital	Roma
Municipalities	8.102

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- House number update performed in municipalities of Savona, Aosta, Cuneo, Andora, Albenga, Loano, Pietra Ligure, Borgio Verezzi, Finale Ligure, Spotorno, Bergeggi, Vado Ligure, Varazze, Arenzano, Portofino, Chiavari, Albissola Marina, Albisola Superiore, Grugliasco, Moncalieri, Chivasso, Mondovi, Orbassano, Beinasco, Rivalta di Torino, Borgo San Dalmazzo, Alba, Carmagnola, Lavagna, Chatillon, Laigueglia, Imperia, La Spezia, Vercelli

ITA	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	8102	8102
Inhabitants	60.659.221	60.659.380
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	8.102	8.102
Inhabitants	60.659.221	60.659.380
Major Road Network (MRNW) % population	100%	100%
Municipality	8.102	8.102
Inhabitants	60.659.221	60.659.380
km road total	980.429	980.982

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	90,3%	90,3%
Core Points of Interest	76.101	76.161

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

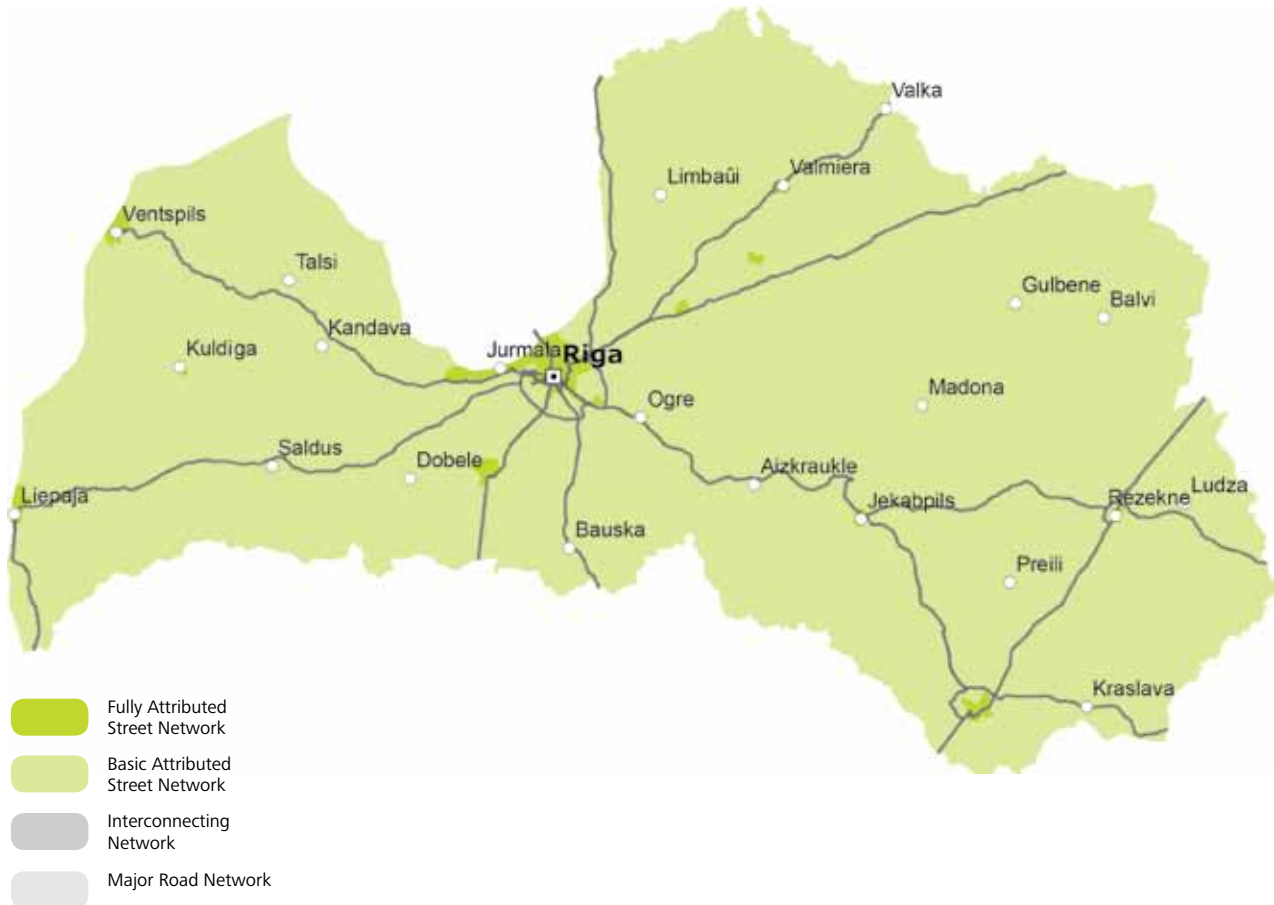
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Latvia 2013.06



## GENERAL STATISTICS

Population	2.266.917
Area (km <sup>2</sup> )	64.589
Capital	Riga
Municipalities	588

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

LVA	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	55,5%	55,5%
Municipality	15	15
Inhabitants	1.257.354	1.257.354
Basic Attributed % population	44,5%	44,5%
Municipality	573	573
Inhabitants	1.009.563	1.009.563
Interconnecting Network (ICNW) % population	100%	100%
Municipality	588	588
Inhabitants	2.266.917	2.266.917
Major Road Network (MRNW) % population	100%	100%
Municipality	588	588
Inhabitants	2.266.917	2.266.917
km road total	81.000	81.002

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100%	100%
Core Points of Interest	5.694	5.714

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Lithuania 2013.06



## GENERAL STATISTICS

Population	3.445.857
Area (km <sup>2</sup> )	65.300
Capital	Vilnius
Municipalities	60

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

LTU	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	60	60
Inhabitants	3.445.857	3.445.857
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	60	60
Inhabitants	3.445.857	3.445.857
Major Road Network (MRNW) % population	100%	100%
Municipality	60	60
Inhabitants	3.445.857	3.445.857
km road total	71.384	71.404

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	16.287	16.284

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)









# MultiNet

Luxembourg 2013.06



-  Fully Attributed Street Network
-  Basic Attributed Street Network
-  Interconnecting Network
-  Major Road Network

## GENERAL STATISTICS

Population	511.840
Area (km <sup>2</sup> )	2.587
Capital	Luxembourg
Municipalities	116

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

LUX	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	106	106
Inhabitants	511.840	511.840
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	106	106
Inhabitants	511.840	511.840
Major Road Network (MRNW) % population	100%	100%
Municipality	106	106
Inhabitants	511.840	511.840
km road total	9.580	9.582

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	810	810

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

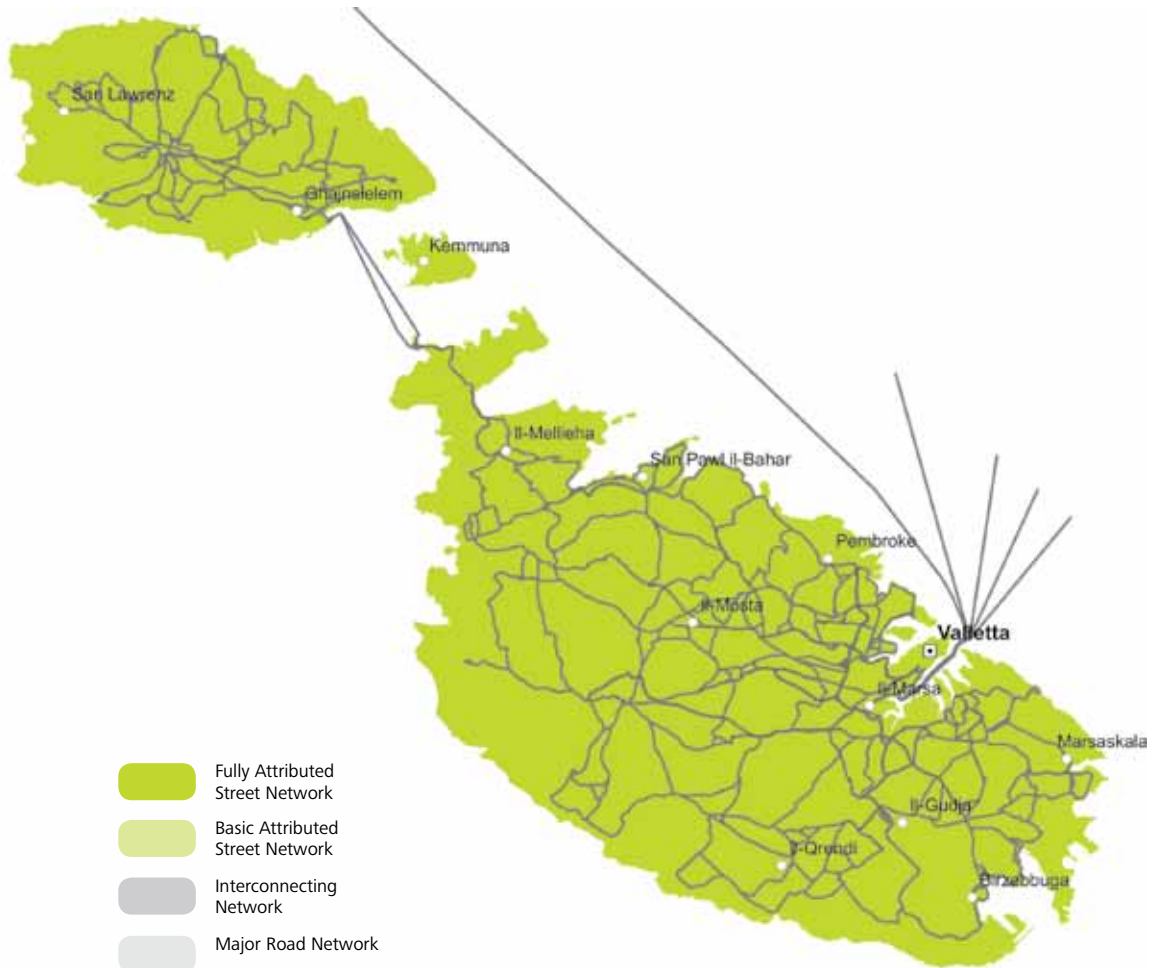
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Malta 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network

## GENERAL STATISTICS

Population	417.617
Area (km <sup>2</sup> )	316
Capital	Valletta
Municipalities	68

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Re-alignment of geometry done in whole country, on all functional road classes.

MLT	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	68	68
Inhabitants	417.617	417.617
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	68	68
Inhabitants	417.617	417.617
Major Road Network (MRNW) % population	100%	100%
Municipality	68	68
Inhabitants	417.617	417.617
km road total	3.609	3.606

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	•	•
Postal code	•	•
Signpost	•	•
Lane information	•	•
Inner City Lanes	•	•
House number ranges	0,0%	0,0%
Core Points of Interest	136	136

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# ConnectPlus

Montenegro 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network

GENERAL STATISTICS	
Population	655.941
Area (km <sup>2</sup> )	13.950
Capital	Podgorica
Municipalities	21

FORMATS	
GDF ASCII Relational	
GDF ASCII Sequential	
Shapefile	
Oracle Spatial	

CGO	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100%	100%
Fully Attributed % population	100%	100%
Municipality	21	21
Inhabitants	655.941	655.941
Basic Attributed % population	100%	100%
Municipality	21	21
Inhabitants	655.941	655.941
Interconnecting Network (ICNW) % population	100%	100%
Municipality	21	21
Inhabitants	655.941	655.941
Major Road Network (MRNW) % population	100%	100%
Municipality	21	21
Inhabitants	655.941	655.941
km road total	6.539	7.296

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	•	•
Postal code	•	•
Signpost	✓	✓
Lane information	•	•
Tourist road	•	•
House number ranges	27,0%	27,0%
Core Points of Interest	27	27

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

The Netherlands 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network

## GENERAL STATISTICS

Population	16.655.799
Area (km <sup>2</sup> )	41.525
Capital	Amsterdam
Municipalities	418

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

NED	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	408	408
Inhabitants	16.655.799	16.655.799
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	408	408
Inhabitants	16.655.799	16.655.799
Major Road Network (MRNW) % population	100%	100%
Municipality	408	408
Inhabitants	16.655.799	16.655.799
km road total	158.500	158.737

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	5.799	5.802

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Norway 2013.06



## GENERAL STATISTICS

Population	4.988.264
Area (km <sup>2</sup> )	385.160
Capital	Oslo
Municipalities	432

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update performed on road geometry (new geometry as well as realignment), Street names, House numbers throughout the whole country. Approx. ~356kms of new geometry and ~3000 new street names are created.

NOR	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	431	431
Inhabitants	4.988.264	4.988.264
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	431	431
Inhabitants	4.988.264	4.988.264
Major Road Network (MRNW) % population	100%	100%
Municipality	431	431
Inhabitants	4.988.264	4.988.264
km road total	221.782	221.944

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	86.730	86.726

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Poland 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network

## GENERAL STATISTICS

Population	<b>38.157.055</b>
Area (km <sup>2</sup> )	<b>312.683</b>
Capital	<b>Warsaw</b>
Municipalities	<b>3.081</b>

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- House numbers, geometry and street names updated in 20 towns: Gliwice, Ruda Śląska, Rybnik, Tychy, Chorzów, Jaworzno, Siemianowice Śląskie, Dąbrowa Górnicza, Jastrzębie-Zdrój, Mysłowice, Żory, Wodzisław Śląski, Rydułtowy, Pyskowice, Radlin, Radzionków, Pszów, Sławków, Szczecin, Swarzędz
- Implementation of Mediamobile version 2.5 TMC table. Update of signposts, lane information, geometry, road classification, manoeuvres, form of way, route numbers, vehicle type restrictions, direction of traffic flow, speed restrictions, back roads, grade separate crossings, blocked passage, ramp information on approx. ~5000kms of Major Road network spread all over country

POL	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100%	100%
Fully Attributed % population	67,9%	67,9%
Municipality	1.089	1.089
Inhabitants	25.920.777	25.920.777
Basic Attributed % population	32,1%	32,1%
Municipality	1.992	1.992
Inhabitants	12.236.278	12.236.278
Interconnecting Network (ICNW) % population	100%	100%
Municipality	3.081	3.081
Inhabitants	38.157.055	38.157.055
Major Road Network (MRNW) % population	100%	100%
Municipality	3.081	3.081
Inhabitants	38.157.055	38.157.055
km road total	518.380	520.569

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	66,5%	66,5%
Core Points of Interest	64.603	64.636

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Portugal 2013.06



## GENERAL STATISTICS

Population	10.356.117
Area (km <sup>2</sup> )	91.907
Capital	Lisboa
Municipalities	308

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- 36 000kms of Major Road Network and Inter-connecting road network updated for signposts, Lanes, Manoeuvres throughout the country.
- Re-alignment performed to improve positional accuracy on approx. 17 000 kms of roads for all functional road class, in many cities spread all over country

PRT	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	308	308
Inhabitants	10.356.117	10.356.117
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	308	308
Inhabitants	10.356.117	10.356.117
Major Road Network (MRNW) % population	100%	100%
Municipality	308	308
Inhabitants	10.356.117	10.356.117
km road total	254.183	254.273

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	87,1%	87,1%
Core Points of Interest	19.325	19.367

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Romania 2013.06



GENERAL STATISTICS	
Population	19.597.949
Area (km <sup>2</sup> )	238.481
Capital	Bucharest
Municipalities	103

FORMATS	
GDF ASCII Relational	
GDF ASCII Sequential	
Shapefile	
Oracle Spatial	

HIGHLIGHTS
<ul style="list-style-type: none"> <li>Implementation of TrafficNav 2.0 TMC table</li> </ul>

ROU	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	33,8%	33,8%
Municipality	52	52
Inhabitants	6.630.857	6.630.857
Basic Attributed % population	66,2%	66,2%
Municipality	3128	3128
Inhabitants	12.967.092	12.967.092
Interconnecting Network (ICNW) % population	100,0%	100,0%
Municipality	3180	3180
Inhabitants	19.597.949	19.597.949
Major Road Network (MRNW) % population	111%	100%
Municipality	3.180	3.180
Inhabitants	21.698.181	19.597.949
km road total	219.635	219.667

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	•	•
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	•	•
House number ranges	43,0%	43,0%
Core Points of Interest	14.107	14.110

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

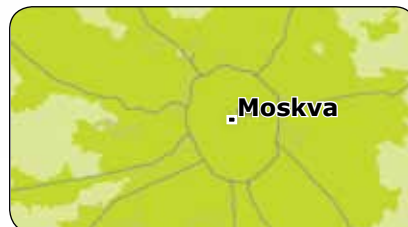
[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Russia 2013.06



## GENERAL STATISTICS

Population	142.905.208
Area (km <sup>2</sup> )	16.792.191
Capital	Moscow
Municipalities	27.514

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Creation of Street network (Basic Attributed) in: Artem, Berdsk, Biysk, Blagoveshchensk, Kamensk-Ural'skiy, Kansk, Komsomol'sk-na-Amure, Kopeysk, Kyzyl, Leninsk-Kuznetskiy, Novotroitsk, Orsk, Ukhta leading to 54.33M coverage.
- Georgiyevsk, Kislovodsk, Lermontov, Mineral'nyye Vody, Pyatigorsk, Rybinsk, Yessentuki and 23 municipalities of Moscow region upgraded from STNW BA to STNW FA resulting in 41.21% STNW FA coverage.

RUS	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	52,9%	54,3%
Fully Attributed % population	40,4%	41,2%
Municipality	374	374
Inhabitants	57.715.149	58.886.600
Basic Attributed % population	12,5%	13,1%
Municipality	707	690
Inhabitants	17.917.548	18.750.023
Interconnecting Network (ICNW) % population	100%	100%
Municipality	3.414	3.401
Inhabitants	142.905.208	142.905.208
Major Road Network (MRNW) % population	100%	100%
Municipality	3.414	3.401
Inhabitants	142.905.208	142.905.208
km road total	1.221.264	1.229.867

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	47,7%	47,7%
Core Points of Interest	72.627	72.982

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

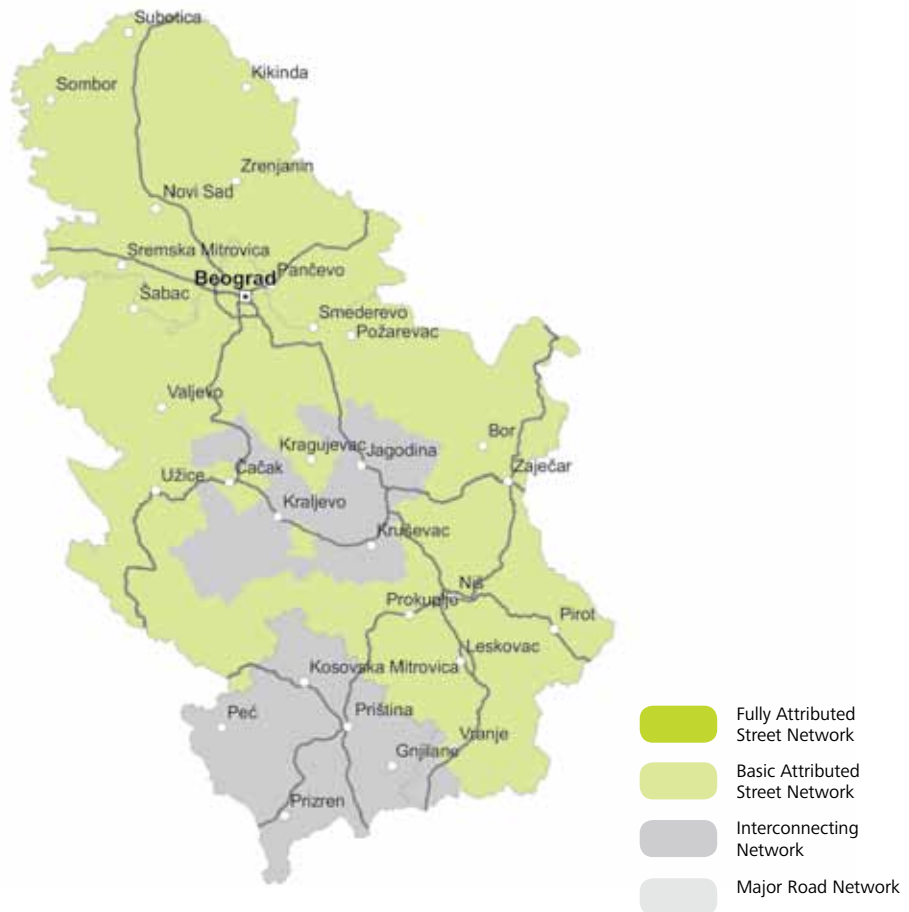
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# ConnectPlus

Serbia 2013.06



## GENERAL STATISTICS

Population	9.272.985
Area (km <sup>2</sup> )	88.409
Capital	Belgrade
Municipalities	NA

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update on geometry performed. This update mainly includes capturing of ~1740 Kms of road network to have access to isolated centre of settlements spread all over the country

SRB	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	72,3%	72,3%
Fully Attributed % population	0%	0,0%
Municipality	NA	0
Inhabitants	1.501.044	0
Basic Attributed % population	72,3%	72,3%
Municipality	NA	0
Inhabitants	6.704.356	6.704.356
Interconnecting Network (ICNW) % population	100%	100%
Municipality	NA	0
Inhabitants	9.272.985	9.272.985
Major Road Network (MRNW) % population	100%	100%
Municipality	NA	0
Inhabitants	9.272.985	9.272.985
km road total	67.805	1.229.867

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	•	•
Postal code	•	•
Signpost	✓	✓
Lane information	•	•
Tourist road	•	•
House number ranges	58,0%	58,0%
Core Points of Interest	107	107

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Slovakia 2013.06



## GENERAL STATISTICS

Population	5.424.925
Area (km <sup>2</sup> )	49.166
Capital	Bratislava
Municipalities	2.891

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- ~4400 Kms of functional road class 2 and 3 updated (features: Lane information, signpost, speed category) spread all over the country.

SVK	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	2890	2890
Inhabitants	5.424.925	5.424.925
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	2.890	2.890
Inhabitants	5.424.925	5.424.925
Major Road Network (MRNW) % population	100%	100%
Municipality	2.890	2.890
Inhabitants	5.424.925	5.424.925
km road total	80.976	81.123

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	•	•
House number ranges	52,9%	52,9%
Core Points of Interest	9.319	9.318

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

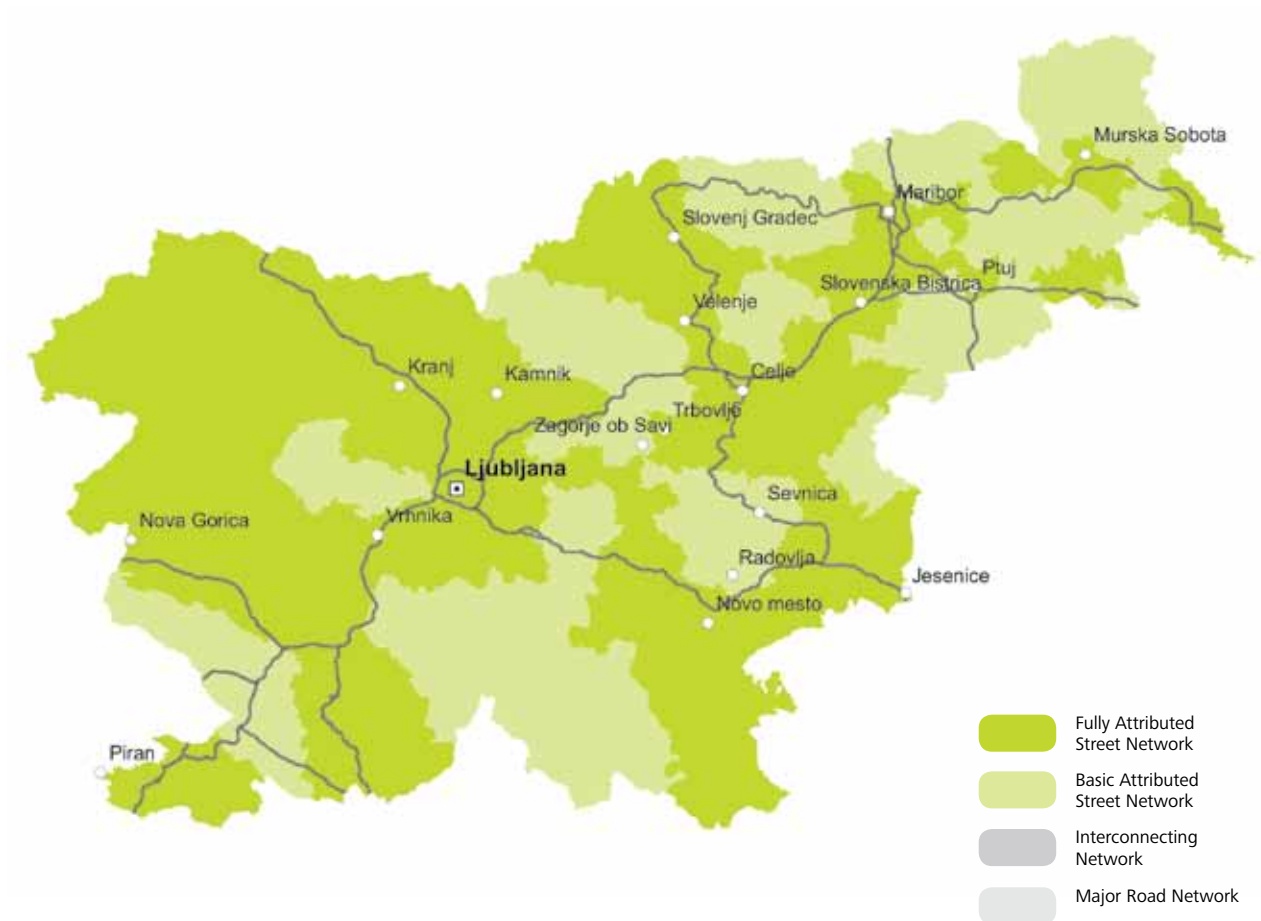
maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Slovenia 2013.06



- Fully Attributed Street Network
- Basic Attributed Street Network
- Interconnecting Network
- Major Road Network

## GENERAL STATISTICS

Population	2.055.496
Area (km <sup>2</sup> )	20.270
Capital	Ljubljana
Municipalities	210

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Creation of STNW-FA in Cerklje na Gorenjskem, Jezersko, Preddvor, Tržic, Dobje, Štore, Ilirska Bistrica, Postojna resulting in 75.6% STNW FA coverage

SVN	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100%	100%
Fully Attributed % population	73,0%	75,6%
Municipality	95	101
Inhabitants	1.501.044	1.554.640
Basic Attributed % population	27,0%	24,4%
Municipality	117	111
Inhabitants	466.527	500.856
Interconnecting Network (ICNW) % population	96%	100%
Municipality	212	212
Inhabitants	1.967.571	2.055.496
Major Road Network (MRNW) % population	96%	100%
Municipality	212	212
Inhabitants	1.967.571	2.055.496
km road total	105.428	105.429

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Tourist road	•	•
House number ranges	100%	100%
Core Points of Interest	6.673	6.670

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

Spain 2013.06



## GENERAL STATISTICS

Population	47.129.122
Area (km <sup>2</sup> )	504.289
Capital	Madrid
Municipalities	8.124

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- 36 000 kms of Major Road Network and Inter-connecting road network updated for signposts, Lanes, Manoeuvres throughout the country.
- Re-alignment performed to improve positional accuracy on approx. 17 000 kms of roads for all functional road class, in many cities spread all over country.

ESP	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	8116	8116
Inhabitants	47.129.122	47.129.122
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	8.116	8.116
Inhabitants	47.129.122	47.129.122
Major Road Network (MRNW) % population	100%	100%
Municipality	8.116	8.116
Inhabitants	47.129.122	47.129.122
km road total	1.061.660	1.061.364

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	54.560	54.635

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Sweden 2013.06



## GENERAL STATISTICS

Population	9.495.113
Area (km <sup>2</sup> )	410.278
Capital	Stockholm
Municipalities	290

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update of geometry spread all over the country. Approx. ~10 000 kms of new road geometry added.

SWE	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	290	290
Inhabitants	9.495.113	9.495.113
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	290	290
Inhabitants	9.495.113	9.495.113
Major Road Network (MRNW) % population	100%	100%
Municipality	290	290
Inhabitants	9.495.113	9.495.113
km road total	590.727	595.714

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	123.129	123.131

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Switzerland 2013.06



## GENERAL STATISTICS

Population	7.398.625
Area (km <sup>2</sup> )	40.153
Capital	Bern
Municipalities	2.501

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update and capturing of street names in many municipalities of Austria. (Windhaag bei Freistadt, Kirchberg ob der Donau, Oberneukirchen, Alkoven, Albeck, Kobenz, Trieben, Mistelbach, Graz, Leibnitz ) and Switzerland(Lauenen, Neftenbach, Auswil, Marthalen, Steinhausen und Madiswilch)

CHE	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	2490	2422
Inhabitants	7.398.625	7.398.625
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	2.490	2.422
Inhabitants	7.398.625	7.398.625
Major Road Network (MRNW) % population	100%	100%
Municipality	2.490	2.422
Inhabitants	7.398.625	7.398.625
km road total	103.294	103.427

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	100,0%	100,0%
Core Points of Interest	11.924	12.126

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Turkey 2013.06



Fully Attributed Street Network
  Basic Attributed Street Network
  Interconnecting Network
  Major Road Network

## GENERAL STATISTICS

Population	73.722.988
Area (km <sup>2</sup> )	781.642
Capital	Ankara
Municipalities	46.563

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Creation Street Network (upgrade from ICNW) resulting in 84.26% STNW BA coverage. Extension of STNW FA (from STNW BA) coverage in more than 200 cities resulting in 81.24% STNW FA coverage.
- Extension of House Numbers leading to 51.99% coverage.

TUR	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	82,3%	84,3%
Fully Attributed % population	76,4%	81,2%
Municipality	7.715	8.167
Inhabitants	56.298.304	59.895.331
Basic Attributed % population	5,9%	3,0%
Municipality	660	739
Inhabitants	4.350.211	2.224.258
Interconnecting Network (ICNW) % population	100,0%	100,0%
Municipality	8.846	9.311
Inhabitants	73.722.988	73.722.988
Major Road Network (MRNW) % population	100%	100%
Municipality	8.846	9.311
Inhabitants	73.722.988	73.722.988
km road total	514.064	536.168

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	50,2%	50,2%
Core Points of Interest	107.213	107.455

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

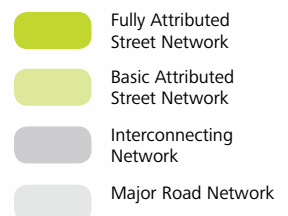
[www.tomtom.com/licensing](http://www.tomtom.com/licensing)





# MultiNet

United Kingdom 2013.06



## GENERAL STATISTICS

Population	59.160.059
Area (km <sup>2</sup> )	251.791
Capital	London
Municipalities	456

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Update of house number ranges in the cities of: Aberdeen, Bath, Birmingham, Brighton, Cambridge, Cardiff, Chester, Dover, Dundee, Edinburgh, Exeter, Glasgow, Lincoln, Liverpool, Norwich, Nottingham, Oxford, Perth, Plymouth, Portsmouth, Swansea, Windsor, Leicester, Peterborough, Southampton, Stoke-on-Trent.

GBR	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	100,0%	100,0%
Fully Attributed % population	100,0%	100,0%
Municipality	456	456
Inhabitants	59.160.059	59.160.059
Basic Attributed % population	0,0%	0,0%
Municipality	0	0
Inhabitants	0	0
Interconnecting Network (ICNW) % population	100%	100%
Municipality	456	456
Inhabitants	59.160.059	59.160.059
Major Road Network (MRNW) % population	100%	100%
Municipality	456	456
Inhabitants	59.160.059	59.160.059
km road total	590.888	591.867

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	✓	✓
Postal code	✓	✓
Signpost	✓	✓
Lane information	✓	✓
Inner City Lanes	✓	✓
House number ranges	99,8%	99,8%
Core Points of Interest	39.559	39.560

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)



# MultiNet

Ukraine 2013.06



## GENERAL STATISTICS

Population	45.617.542
Area (km <sup>2</sup> )	603.740
Capital	Kiev
Municipalities	11.623

## FORMATS

GDF ASCII Relational
GDF ASCII Sequential
Shapefile
Oracle Spatial

## HIGHLIGHTS

- Creation of Street network (Basic Attributed) in: Enerhodar, Kovel', Zhovti Vody leading to 44.54% STNW BA coverage.

UKR	PREVIOUS RELEASE	CURRENT RELEASE
Street Network (STNW) % population	44,2%	44,5%
Fully Attributed % population	6,5%	6,5%
Municipality	3	3
Inhabitants	2956542	2956542
Basic Attributed % population	37,7%	38,1%
Municipality	68	71
Inhabitants	17.192.645	17.361.651
Interconnecting Network (ICNW) % population	100%	100%
Municipality	669	669
Inhabitants	45.617.542	45.617.542
Major Road Network (MRNW) % population	100%	100%
Municipality	669	669
Inhabitants	45.617.542	45.617.542
km road total	269.437	271.593

CONTENTS	PREVIOUS RELEASE	CURRENT RELEASE
RDS/TMC	•	•
Postal code	•	•
Signpost	✓	✓
Lane information	•	•
Tourist road	•	•
House number ranges	41,3%	41,3%
Core Points of Interest	32.732	32.741

Note: If House Number Range % equals STNW %, the House Number Range % is based on the population. Where it is not equal, the House Number Range is not expected for this full population and is calculated based upon actual assignment of House Number Ranges versus actual road coverage available.



## About TomTom

Founded in 1991, TomTom (AEX:TOM2) is the world's leading supplier of location and navigation products and services focused on providing all customers with the world's best navigation experience. Headquartered in Amsterdam, TomTom has 3,500 employees and sells its products in over 40 countries.

TomTom Licensing is the division of TomTom dedicated to delivering relevant, fresh and high-quality digital maps, and dynamic content, to a wide range of business customers. Our product portfolio includes the world's freshest digital maps covering over 200 countries and territories globally, as well as the most accurate real time and historical traffic products.

maps & content | real time & historical traffic | lbs

[www.tomtom.com/licensing](http://www.tomtom.com/licensing)

