

EWS Road Distance Matrix

Germany/Europe

The shortest route is not always the most time-efficient, and the fastest route is not always the most cost-effective. Since the German long-haul traffic tariff (Güterfernverkehrstarif (GFT)) was done away with, EWS Road Distance Matrix is the basis for billing transport services, and has established itself as the de facto standard in the German industry.

EWS is the basis for realistic cost calculation and freight billing

For an enterprise that deals with a large volume of freight invoices, determination of linear distance is too imprecise, and an exact route calculation is too time-intensive. With Road Distance Matrix (EWS) costs can be calculated realistically. Since the GFT was done away with, EWS Road Distance Matrix represents a basis for billing that is based on road distance for truck transport services provided by freight forwarders.

A great advantage of the EWS Road Distance Matrix is that the gazetteer and distance matrix can

be easily integrated in almost all software environments. Thanks to easy and transparent handling the Road Distance Matrix has established itself as the de facto logistics standard in Germany. Large companies, such as Siemens or Daimler, use EWS Road Distance Matrix and so do small and medium-sized companies. The use of EWS Road Distance Matrix is considered as a mark of quality in the industry.

With EWS Road Distance Matrix it is easier to determine the entire distance than it is to determine the individual routes. Since the distances are not calculated, but rather are stored in a table, distances are

not only comparable, transparent, and verifiable, they can also be recalled quickly.

EWS Toll precisely outputs only the kilometers that are subject to toll.

System prerequisites

The data is present in ASCII format; consequently EWS Road Distance Matrix can be integrated in all autonomous or existing DP-supported information systems or database systems (e.g. SAP), on almost all platforms (Windows, Unix, Linux).

Application areas

Distances for truck transport can be determined between all points in Germany or Europe based on a digitalized road network. EWS Road Distance Network is ideal for long-distance traffic, and it is suitable for local traffic.

Function and content

EWS Road Distance Network is the link between a gazetteer and a distance table. Distances between points are determined in both versions - EWS Road Distance Network Germany and EWS Road Distance Network Europe. Since 2009 the underlying gazetteer for Eastern Europe and Southeastern Europe has been significantly extended.

Ort der Ortsdatei			Augsburg		Regensburg	
			km	km_Maut	km	km_Maut
1.	Bezirk (Innere Stadt)	Innere Stadt	522	509	396	378
2.			523	509	397	378
3.			522	509	396	378
4.			522	509	397	378
5.			522	509	396	378
6.			522	509	396	378
7.			522	509	396	378
8.			522	509	396	378
9.			522	509	396	378
10.			522	509	396	378
11.			522	509	396	378
12.			522	509	396	378
13.			522	509	396	378
14.			522	509	396	378
15.			522	509	396	378
16.			522	509	396	378
17.			522	509	396	378
18.			522	509	396	378
19.			522	509	396	378
20.			522	509	396	378
21.			522	509	396	378
22.			522	509	396	378
23.			522	509	396	378
24.			522	509	396	378
25.			522	509	396	378
26.			522	509	396	378
27.			522	509	396	378
28.			522	509	396	378
29.			522	509	396	378
30.			522	509	396	378
31.			522	509	396	378
32.			522	509	396	378
33.			522	509	396	378
34.			522	509	396	378
35.			522	509	396	378
36.			522	509	396	378
37.			522	509	396	378
38.			522	509	396	378
39.			522	509	396	378
40.			522	509	396	378
41.			522	509	396	378
42.			522	509	396	378
43.			522	509	396	378
44.			522	509	396	378
45.			522	509	396	378
46.			522	509	396	378
47.			522	509	396	378
48.			522	509	396	378
49.			522	509	396	378
50.			522	509	396	378



When distances are determined the points are shown as representative point nodes. The number of nodes depends on the respective population density; in economically significant areas a higher number of nodes ensures completeness. In Germany there are 7,300 nodes. In Europe there are almost 10,000 The assignment of places to nodes is usually calculated by the shortest road distance. Rivers and other obstructions are considered in the calculation.

With an upgrade EWS Road Distance Matrix Germany can be integrated in EWS Road Distance Matrix Europe. Integration of EWS Toll in the standard EWS products is easily possible.

At DDS you get EWS including a license letter. The letter is an assurance of the correct status of the data and guarantees contractually-assured licensing.

Update intervals

The product, EWS Road Distance Matrix, is updated once a year.

Prices

Prices and additional information are available on request.

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