

24rd Voorburg Group Meeting

**Oslo, Norway
September 14th to September 18th, 2009**

Mini-presentation on Turnover/Output for Water Transportation in Poland



**Central Statistical Office of Poland
Trade and Services Division**

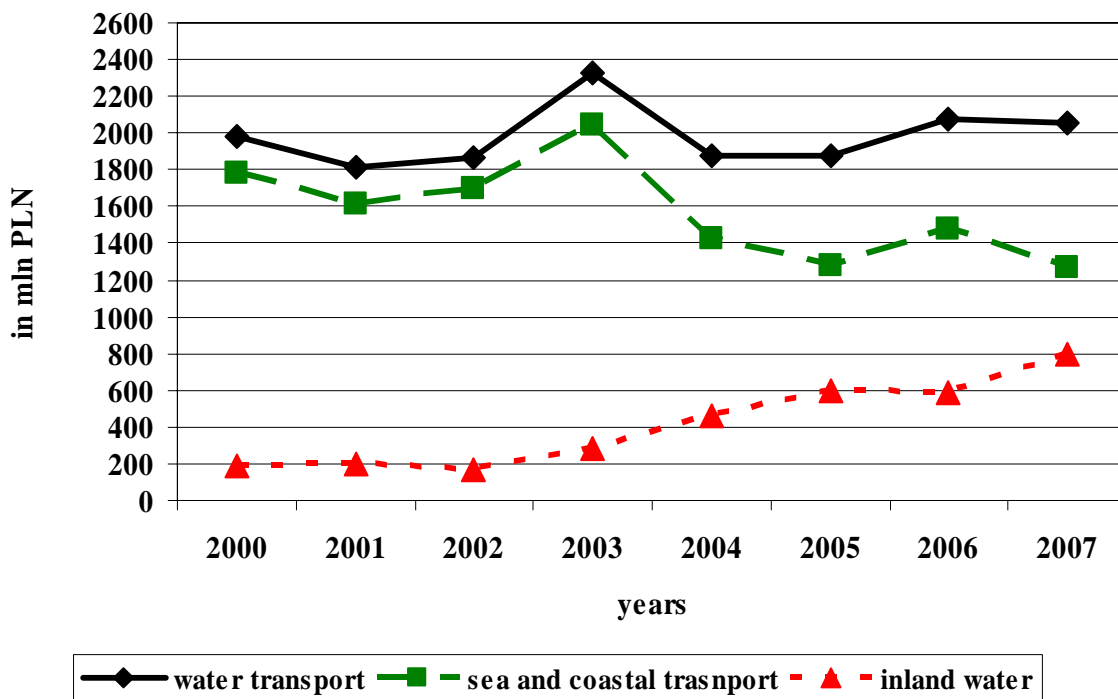
Agnieszka Matulska-Bachura

Introduction

When you are taking up analyzing the water transport you should have in your mind that the importance of that services activities in the particular national economies depends on their geographical location and their access to the water. Poland as a country located in the centre of Europe has the access to Baltic Sea and has 3 660 kilometres of navigable inland waters.

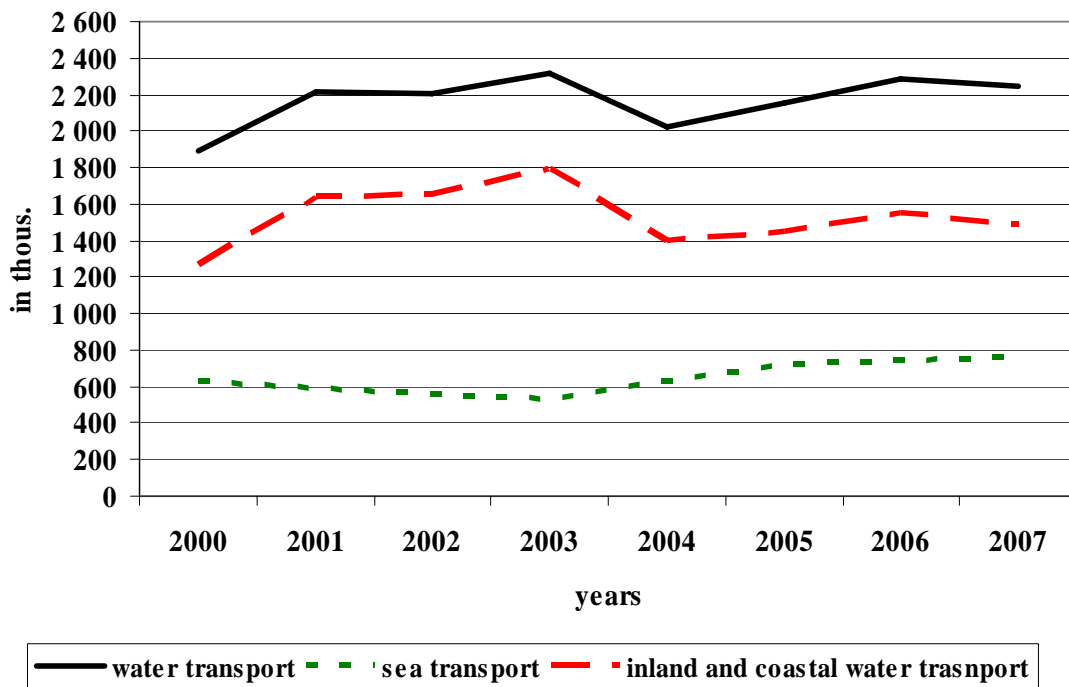
As it is presented at the graph below in Poland in the period 2000-2007 the revenues of water transport were fluctuating and finally, in 2007 it stood at over 2 mld PLN (approximately 464 mln EUR). From 2000 to 2003 it was observed the upward trend and in 2003 it reached the peak at the level of almost 2,4 mld PLN in 2003. However, after the accession of Poland to the UE in 2004 it recorded dramatic decrease. Since 2004 the water transport has been recovering, but, comparing with the year 2000 it has been only the growth of 4%.

Graph 1: Revenues in the water transport in Poland in mln PLN in years 2000-2007

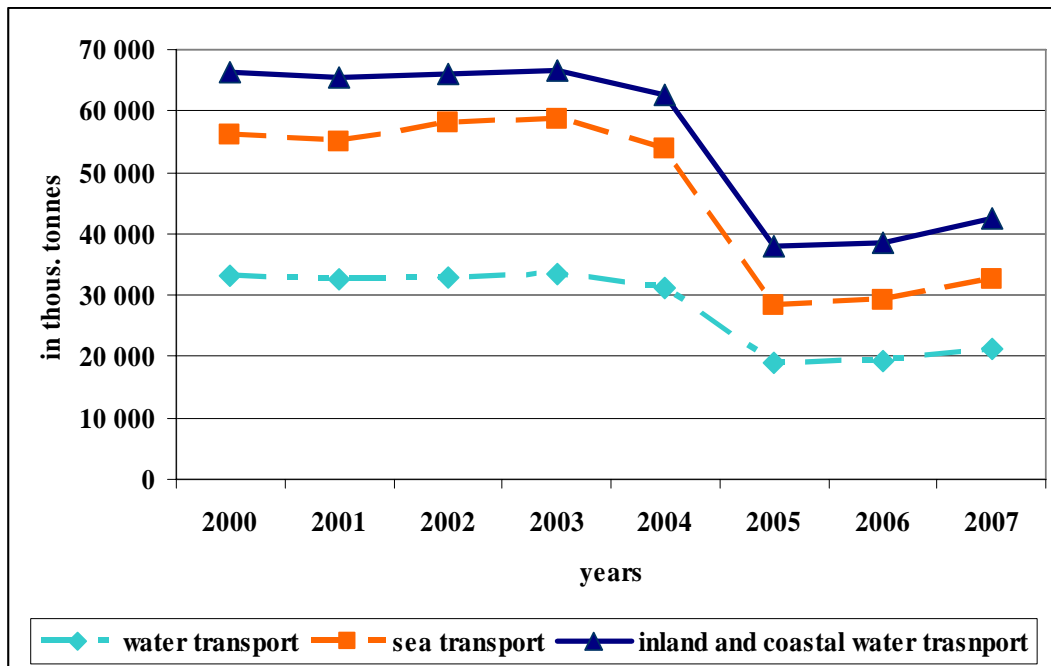


The above described changes result mainly from the considerable fall in the revenues in the sea and coastal water transport, which was caused by the nosedive in the number of transported goods in 2004. Then it started slightly recovering. In the analysed period the revenues in the inland water transport was developing steadily and in 2007 and compared to 2000 it increased four times. The number of passengers also recorded decline but since 2004 it has been slowly growing (see graph 2 and 3 below).

Graph 2: Water passenger transport in years 2000-2007



Graph 3: Water freight transport in years 2000-2007

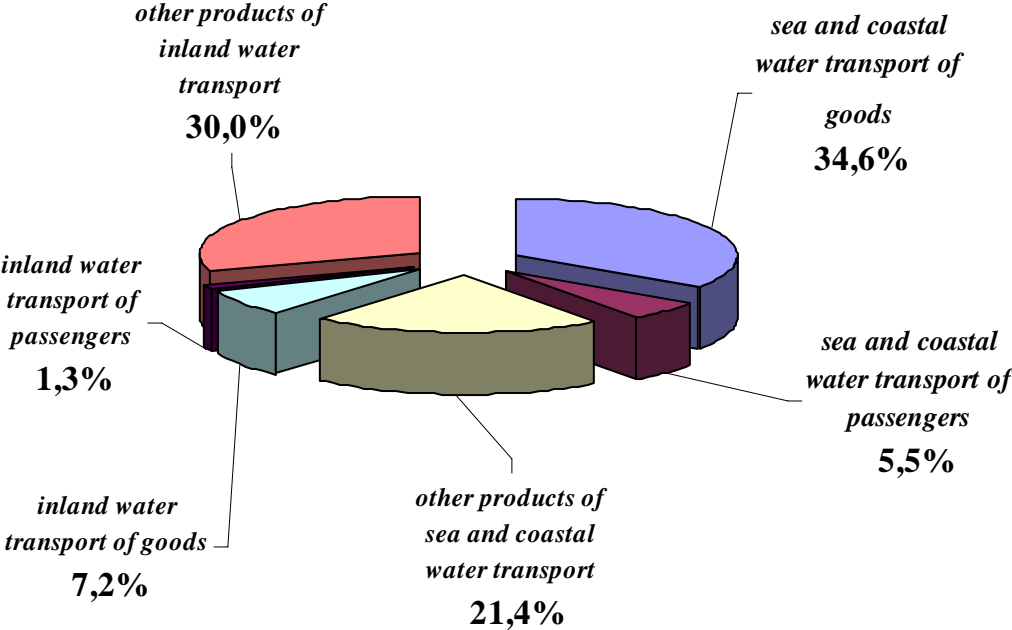


At the end of 2008 in the Register of National Economy's Entities there were 994 enterprises classified into the water transport. Regarding the number of enterprises the small entities with the number of persons employed 9 and less constitute 95,5% of all population while the

enterprises with the number between 10 and 49 are accounted for 3% of all entities. The larger enterprises have the share of 1,5%.

In 2007 over 60% of total revenues in water transport was generated by the enterprises classified into the sea and coastal water transport. In the sea and coastal water transport the biggest part constituted the revenues in freight transport– 56% of total revenues while in inland water transport – other products than transport – 78%. Giving more profound insight into the structure of revenues in the water transport in Poland it turns out that over 50% of revenues comes from other activity than transport, over 40% from freight transport and less than 10% from passenger transport.

Chart 1: Structure of revenues in the water transport by type of product in 2007



Classification

Poland as a country of the European Union Poland is obliged to use as the activity classification - the NACE which of the national counterpart is Polish Classification of Activity (PKD). Similarly, in case of the product classification there are CPC and the Polish Classification of Goods and Services (PKWiU).

According to the NACE Rev.1.1 (=PKD2004) the water transport is classified in the division 61. The detailed comparison of a/m classifications is presented below.

PKD2004		NACE Rev.1.1		Reference to ISIC Rev. 3.1
Code	Description	Code	Description	
61	Water transport	61	Water transport	
61.1	Sea and coastal water transport	61.1	Sea and coastal water transport	611
61.10	Sea and coastal water transport	61.10	Sea and coastal water transport	6110
61.10A	Sea water transport			
61.10B	Coastal water transport			
61.2	Inland water transport	61.2	Inland water transport	612
61.20	Inland water transport	61.20	Inland water transport	6120
61.20Z	Inland water transport			

In NACE Rev.2 the water transport exists as the division 50. The relations between NACE rev.1.1 and NACE Rev.2 are produced in the table below.

NACE Rev.1.1		NACE Rev.2	
Code	Description	Code	Description
61.10	Sea and coastal water transport	<i>part concerning the sea and coastal passenger transport</i>	50.10 Sea and coastal passenger water transport
		<i>part concerning the sea and coastal freight transport</i>	50.20 Sea and coastal freight water transport
61.20	Inland water transport	<i>part concerning the inland passenger transport</i>	50.30 Inland passenger water transport
		<i>part concerning the inland freight transport</i>	50.40 Inland freight water transport

The products of water transport activities are classified into division 61 according by the CPC2002 and division 50 by CPC2008.

Legal requirements concerning statistics on output of the water transport

Within the European Statistical System Poland is obliged to provide Eurostat with data on transport activity in alignment with the following regulations:

- Regulation (EC, EURATOM) No 58/97 of the Council of 20 December 1996 concerning structural business statistics and Regulation (EC) No 295/2008 of the European Parliament and of the Council of 11 March 2008 concerning structural business statistics,
- Council Regulation (EC) No 1165/98 of 19 May 1998 concerning the short-term statistics,
- Regulation (EC) No 1365/2006 of the European Parliament and of the Council of 6 September 2006 on statistics of goods transport by inland waterways and repealing Council Directive 80/1119/EEC,
- Council Decision of 8 December 1995 on statistical returns in respect of carriage of goods and passengers by sea;

Surveys on output variables

Within the public statistics information on the different variables reflecting the output of transport activities such as turnover, revenues, number of passengers, transport performance in passenger-kilometres are collected. They are compiled within the different domains of statistics: structural business statistics, short-term statistics or transport statistics.

Annual information on the turnover of enterprises running the water transport are elaborated within the structural business statistics on the basis of data collected within the *Annual survey on enterprises (SP)* and the *Survey of small enterprises (SP-3)*. In compliance with the Regulation (EC, EURATOM) No 58/97 of the Council of 20 December 1996 concerning structural business statistics until the reference year 2007 data on turnover variable is compiled at the level of groups 61.1 “Sea and coastal water transport” and 61.2 “Inland water transport” by NACE Rev.1.1. Moreover, according to the requirements of the Regulation (EC) No 295/2008 of the European Parliament and of the Council of 11 March 2008 concerning structural business statistics since the reference year 2008 data should be produced at the class level.

The *Annual survey on enterprises (SP)* collects information from all enterprises classified according to the NACE Rev.1.1 to the sections from B to O (with some exceptions) with the number of persons employed 10 and more. The subjective scope of survey concerns

information included in financial reports: balance sheet and the profits and losses account. However, there are also collected additional information, for example number of persons employed, type of book-keeping system etc.

Information on turnover are elaborated on the basis of data collected within the Part II Section 2 Profits and losses account of the questionnaire *SP* (see in Annex 1).

The *Survey of small enterprises (SP-3)* includes enterprises classified according to the NACE Rev.1.1 to the sections from A to O (with some exceptions) with the number of persons employed 9 and less. Information are collected from the sample of enterprises (about 5%) which are selected randomly within the settled strata (groupings required by SBS Regulation with the breakdown into voivodships). Information on turnover are estimated on the basis of data from the Section 4 Revenues and costs from total activity of questionnaire (in full PLN) *SP-3* (see Annex 1).

The short-term information on turnover of enterprises classified into the water transport activities are produced in compliance with the requirements of the Council Regulation (EC) No 1165/98 of 19 May 1998 concerning the short-term statistics. As for the water transport data are elaborated at the division level 61 “Water transport” by NACE Rev.1.1. After the amending the a/m regulation data will presented for the groupings by NACE Rev.2: 50.1+50.2 “Sea transport” and 50.3+50.4 “Inland water transport”. Information from responding units are collected within the *Monthly report on transport, warehouse and telecommunication activities (DG-It)*. All enterprises with the number of persons employed 50 and more and the 10% sample of enterprises with the number of persons employed between 10 and 49 are surveyed. The smallest entities are not covered with the survey. When the survey was launching it was assumed that the results for the enterprises with the number of persons employed 10 and more are representative for all population. Nowadays, the works on using the VAT data for estimating the turnover of the smallest units are in progress. Monthly information on turnover are compiled on the basis of data collected within the Section 1 Basic information on the economic activity of the questionnaire *DG-It* (see Annex 1).

Transport statistics obtains information on the revenues from the sale of products as well as non-financial aspects of water transport.

The revenues from sale in water transport are collected within the questionnaire *T-02 Report on transport and telecommunication services (annual)*. It comprises all enterprises classified to the transport and telecommunication activities with the number of persons employed 10

and more. Within the Section 2 of that form responding unit are obliged to provide information on their total revenues from sale of products (in mln PLN) in inland, sea and coastal transport with the breakdown into the passenger transport, freight transport, cargo handling, storage and warehousing and other services (see in Annex 1).

Information presented in the introduction concerning the revenues are elaborated on the basis of data from that report *T-02* as well as data from structural business statistics.

Nowadays, there is the lack of information on turnover or revenues broken down into products. However, in order to obtain such information total amounts of financial variables could be disaggregated using information from surveys conducted within the transport statistics which collects data on non-financial aspects of water transport activity.

As far as the sea and coastal transport is concerned *Report on transport by sea and coastal transport fleet (T-08)* is such a survey which comprises all shipowners or operators of sea and coastal transport. Annual information collected within that form concern: number of transported goods in tones and tonne-kilometres with breakdown into the types of transport (regular, irregular), range (Baltic, European and ocean routes), cargo relations (in connection to Polish ports, between foreign ports), group of cargo (bulk liquid, bulk dry etc.) and the number of transported passenger (national, international). The detailed scope of information collected within the questionnaire *T-08* is presented in Annex 1.

All units running the inland water transport are obliged to fill in *Report on the fleet and freight in inland water transport (T-11/k)*. Within the questionnaire quarterly detailed information on fleet as well as transport of goods and passengers are collected. The subjective scope covers data on: amount, distance and groups of transported goods (Section 2 of questionnaire) and the number of passengers/passenger-kilometres (Section 4 of questionnaire) with the breakdown into the national and international activity (see in 12).

Data dissemination

At the national level data collected and elaborated within the described surveys are published in:

- **Statistical Yearbook of the Republic of Poland** (yearly)

The main comprehensive publication of the Central Statistical Office. It includes a wide-ranging collection of statistical data that characterise the condition of natural environment,

the socio-economic and demographic situation of the country and its position in Europe and in the world. The part “**Transport and communications**” focuses on the water transport issues.

– **Concise Statistical Yearbook of Poland** (yearly)

A wide range of data on Poland and selected data on countries of Europe and the world. Statistical picture of living standard and the condition of the economy presented with attractive graphical appearance. The part “**Transport and communications**” is devoted to the water transport issues.

– **Statistical Yearbook of Maritime Economy 2007** (yearly)

Situation of maritime economy in the period 2004-2006 (as regards certain issues - in the period 2003-2005) and basic data for previous years. Entities that conduct activities in the field of maritime economy by the principal kind of activity, employed, employment and wages and salaries in maritime economy. Data on: investment outlays, fixed assets and financial results of maritime economy entities, activities of sea ports, sea navigation and coastwise shipping, production of ships, fish economy, higher maritime education and science, maritime environment protect.

– **Transport - activity results in 2007** (yearly)

Information on types of transport, transport network (by voivodship), means of transport (by type) and registered vehicles (by type of vehicles and voivodship), transport of goods and passengers (by type and direction of transport), reloading in seaports (by groups of cargo and port) and airports (by airport), ship cargo transport (by port and flag) and passenger traffic (by port), planes and passenger traffic (by airport) and revenues, costs, employment and wages and salaries in transport and also information on means of transport traffic at the border gates, road accidents.

– **Statistical Bulletin** (monthly)

It includes basic indices on the socio-economic situation of the country with respect to, among others, quarterly GDP estimates, labour market, wages and salaries, social security benefits, population, prices, money and finance, agriculture, industry, construction, **transport** and trade. Monthly or quarterly data on the socio-economic situation of the EU member states.

Annex 1

Information collected within the particular questionnaires obtaining information on water transport activities

STRUCTURAL BUSINESS STATISTICS

Questionnaire *SP Annual survey on enterprises*

Part II Section 2 Profits and losses account

Specification		Amount in thous. PLN	
0		1	
A Net revenues from sale and equal		01	
of which	Net revenues from sale of products	02	
	in that export sale	03	
	Change in the stock of products	04	
	Costs of products manufactured for own needs	05	
	Net revenues from sale of goods and materials	06	
	in that export sale	07	
B Costs of operating activity		08	
of which	Depreciation	09	
	Use of materials and energy	11	
	in that energy	12	
	External services	13	
	in that purchased in order to further resale	14	
	Taxes and fees	15	
	in that excise	16	
	Renumeration	17	
	in that on the basis of contract	18	
	Compulsory social securities and other testimonies	19	
	in that	charges for compulsory social securities	20
		expenditures on trainings of employees	21
	Other kinds of expenditures	22	
	within that business travels	23	
Value of sold goods and materials		24	
C1 Profits from operating activity		25	
C2 Losses from operating activity		26	
D Other operating revenues		27	
of which	Profits from selling non-financial fixed assets	28	
	Subsidies	29	
	Other operating revenues	30	
	in that unbound reserves	31	
...	

Questionnaire SP-3 Survey of small enterprises

Section 4 Revenues and costs from total activity of questionnaire in full PLN

A. Revenues from total activity	1	
B. Costs of total activity	2	
...

SHORT-TERM STATISTICS

Questionnaire DG-It Monthly report on transport, warehouse and telecommunication activities

Section 1 Basic information on the economic activity

Specification		In responding month	From the beginning of year
0		1	2
Net revenues from sale of products in thous. PLN	01		
in that from the construction activities made on your own within the territory of country (without the subcontracting)	02		
in that construction activities as a investments	03		
Value of manufactured products non-counted into the sale	04		
Net revenues from sale of goods and materials in thous. PLN	05		
...
Excise tax from goods from in-house production (producer) in thous. PLN	15		
Subsidies in thous. PLN	16		

TRANSPORT STATISTICS

Questionnaire T-02 Report on transport and telecommunication services

Section 2 Revenues from sale of goods and services in sea, inland and coastal water transport and commercial seaports

Specification		Total	in that export
		in thous. PLN	
0		1	2
Total	1		
Transport of goods	2		
Transport of passengers	3		
Cargo handling	4		
Storage and warehousing	5		
Services of ships	6		
Other services	7		

Questionnaire T-08 Report on transport by sea and coastal transport fleet

Section 1. Transport of goods by type of fleet and transport range

Specification		In tonnes	In tonne-miles
0		1	2
Total		01	
in that	ships sailing under foreign flag	02	
	foreign ships	03	
Linear shipping		04	
Range	ocean	05	
	European	06	
	Baltic	07	
	in that ferries	08	
Tramping		09	
in that tankers		10	
Range	ocean	11	
	European	12	
	Baltic	13	

Section 2 Transport of goods by cargo relations

Specification		In tonnes		Number of containers with goods in TEU
		Total	in that in large containers (20" and more)	
0		1	2	3
Total		1		
In relations to Polish ports		2		
export from Polish ports		3		
import to Polish ports		4		
Between ports	foreign	5		
	Polish	6		

Section 3 Transport of goods by group of cargo

Groups of cargo	In tonnes
0	1
Total	01
Bulk liquid	02
in that petroleum and petroleum products	03
Bulk dry	04
ores	05
hard coal and coke	06
cereals	07
other agriculture products	08
other bulk	09
Large containers (20" and more)	10
in that roll-on self propelled	11
Other general cargo	01
in that wood	02

Section 4. Transport of goods of foreign trade and transit goods

Specification		In tonnes ^{a)}		Number of containers with goods in TEU
		Total	in that in large containers (20" and more)	
0		1	2	3
Transport of goods of foreign trade		1		
in that goods in own management		2		
in relation to Polish ports	export of exported goods	3		
	import of imported goods	4		
between ports	foreign	5		
	Polish	6		
Transport of transit goods		7		
in that between Polish ports		8		

^{a)} Without the weight of containers and roll-on units

Section 5. Transport of passengers

Specification		In international transport		Between Polish ports	
		Number of passengers	In passenger-miles	Number of passengers	In passenger-miles
0		1	2	3	4
Total	1				
in that ferries	2				
Drivers of lorries transported by ferries	3				

Questionnaire T-11/k Report on the fleet and freight in inland water transport

Section 2 Transport of goods

No. of cruises	Place of loading	C od e	Place of unloading	C od e		C od e	Information on containers				Mass in tonnes	Distance in km			...	
	Name of place and voivodship of national port or name of place and country (code) of foreign port				Group of goods (name)		loaded		unloaded			Total	in that within Polish waterways		...	
	Number		Size		Number		Size		Together	in that in sea waterways			...			
1	2		3		4		5	6	7	8	9	10	11	12	...	
																...
																...
																...

Section 4 Transport of passengers

Specification		Number of passengers		In passenger-miles	
		1		2	
0		1		2	
Total		1			
in that in international transport		2			