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Road Freight Transport Survey

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Note

Rounding: Due to the fact that individual figures have been rounded independently there may be slight discrepancies between the sum of the constituent items and the totals shown.

Chapter 1

Introduction

Introduction

This report contains the results of the “National Survey of Transport of Goods by Road” carried out for the year 2006. The survey was conducted as part of an EU-wide project in accordance with Council Regulation (EC) 1172/98 on statistical returns in respect of the carriage of goods by road.

During the year information was collected concerning one week’s transport activity for a random sample of goods vehicles. The sample was spread evenly over each week in the year. The sample data has been grossed to the level of the national fleet to provide estimates for road freight transport activity by all goods vehicles in the survey year.

The CSO wishes to place on record its thanks to and appreciation of the co-operation received from the vehicle owners who responded to the survey. The survey questionnaire and instructions are shown in Appendix D.

The principle measures used in this report to assess transport activity are:

- (a) the weight of goods carried (given in tonnes);
and
 - (b) the quantity of work done (given in tonne-kilometres).
- (See definitions used, page 41).*

Scope of Survey

The report covers the survey period beginning on 1 January 2006 and ending on 31 December 2006. Irish registered vehicles belonging to the motor taxation class *goods vehicles with an unladen weight of 2 tonnes and over* came within the scope of the survey.

No other vehicles were covered. In particular this meant that vehicles in other motor taxation classes such as agricultural tractors, general haulage tractors, dumpers and exempt vehicles (i.e. vehicles exempt from liability to pay road tax which include state owned, diplomatic, fire services or disabled drivers) were not included.

All activity of goods vehicles within the scope of the survey engaged in the carriage of goods, either on own account or for hire or reward, on the public road was covered. Excluded, therefore, was activity such as site work off the public road or work of a mainly service nature (e.g. carriage of personnel to or from places of work).

Goods Vehicle Activity 2006

Chart 1: Number of goods vehicles with unladen weight of 2 tonnes and over by year

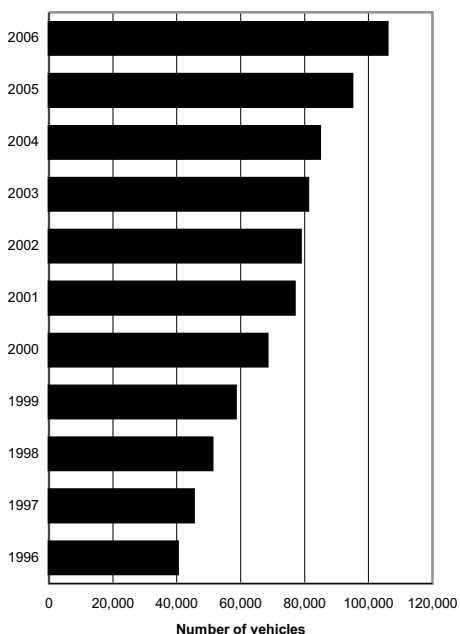
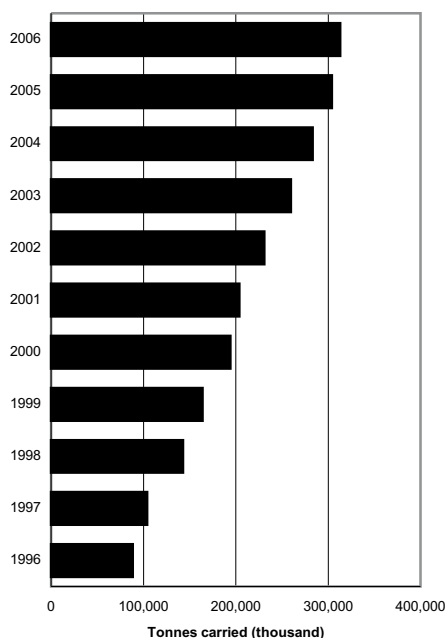


Chart 2: Weight of goods carried by year



In 2006, Irish registered goods vehicles transported a total of almost 313 million tonnes of goods by road. This represents an increase of 3% on the previous year and an increase of 254% over the last ten years. Activity in terms of tonne-kilometres decreased by 2.6% from 18,152 million in 2005 to 17,687 million in 2006. There was an increase of 180% in the figure for tonne kilometres over the ten-year period from 1996 to 2006. A total of 2,523 million vehicle kilometres were travelled in 2006, a decrease of almost 2% on the 2005 figure of 2,566 million and an increase of 115% on the 1996 figure.

The average number of goods vehicles with an unladen weight of 2 tonnes and over, under current license during 2006 was 105,885, representing an increase of almost 12% on the 2005 figure. The fleet size increased by 163% since 1996. These goods vehicles completed almost 25.6 million loaded journeys in 2006, 5% more than in 2005 and 163% more than in 1996.

Table A.1 below shows a record of the main figures for the years 1996 to 2006. (See Charts 1 and 2).

Table A.1

Year	Tonne-Kilometres	Tonnes Carried	Vehicle Kilometres	Average Number of Vehicles
	<i>million</i>	<i>thousand</i>	<i>million</i>	
1996	6,316	88,322	1,175	40,255
1997	6,998	103,836	1,208	45,256
1998	8,203	142,911	1,344	51,037
1999	10,275	163,972	1,452	58,388
2000	12,348	194,135	1,657	68,278
2001	12,405	203,849	1,668	76,875
2002	14,448	230,591	1,973	78,753
2003	15,898	259,465	2,124	81,024
2004	17,288	283,334	2,342	84,747
2005	18,152	303,866	2,566	94,845
2006	17,687	312,913	2,523	105,885

Main use of Vehicle

Chart 3: Weight of goods carried

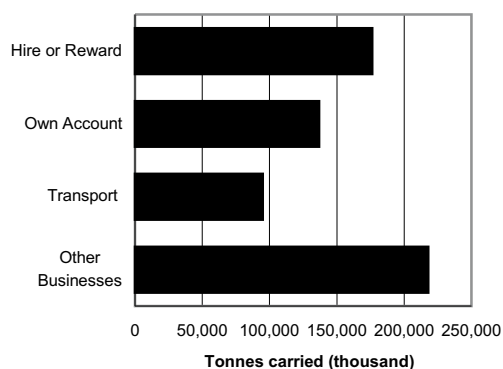


Chart 4: Activity in tonne-kilometres

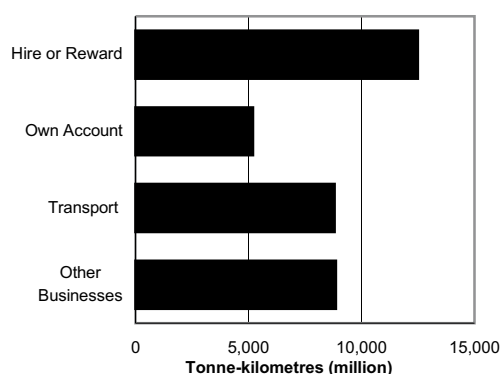
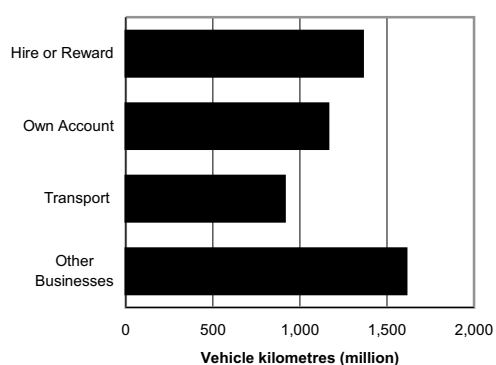


Chart 5: Vehicle kilometres travelled



Vehicles used mainly for hire or reward transport of goods were responsible for 56% of the total weight of goods carried in 2006. These vehicles also performed 71% of the total activity in terms of tonne-kilometres and travelled 54% of total vehicle kilometres. Given that these vehicles accounted for only 24% of the fleet size, it is clear that they were used more intensively than those vehicles used mainly for own account transport. Of vehicles that were mainly used for hire or reward transport, on average 17% were idle during any one survey week as compared to 26% of vehicles used mainly for own account transport. Vehicles used mainly for hire or reward transport accounted for 30% of all relevant vehicles. (See Tables B.1 and B.2 and Charts 3, 4 and 5).

Table B.1

Main use of Vehicle	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres	
	million	%	thousand	%	million	%
Hire or Reward	12,493	70.6	176,167	56.3	1,361	54.0
Own Account	5,193	29.4	136,745	43.7	1,162	46.0
Total	17,687	100.0	312,913	100.0	2,523	100.0

Table B.2

Main use of Vehicle	Number of Vehicles	%	Relevant		Idle	
			Vehicles	%	Vehicles	%
Hire or Reward	25,526	24.1	24,048	30.1	4,329	17.3
Own Account	80,359	75.9	55,959	69.9	20,649	82.7
Total	105,885	100.0	80,007	100.0	24,978	100.0

Business of Owner

In the "Business of Owner" classification, "Transport" covers both licensed hauliers and other hauliers. All activity of vehicles owned by transport businesses was classified to "Transport" even if the vehicle activity was mainly for the own account transport of the business. Likewise, all activity of vehicles owned by non-transport businesses was classified to the "Other" heading even if the vehicle was used for hire or reward.

Almost 50% of total activity in terms of tonne-kilometres was performed by vehicles owned by transport businesses. These vehicles transported 30% of the total weight of goods carried and travelled 36% of the total vehicle kilometres. Vehicles owned by transport businesses were responsible for 23% of all laden journeys. (See Table C.1 and Charts 3, 4 and 5).

Chart 6: Activity in tonne-kilometres by unladen weight

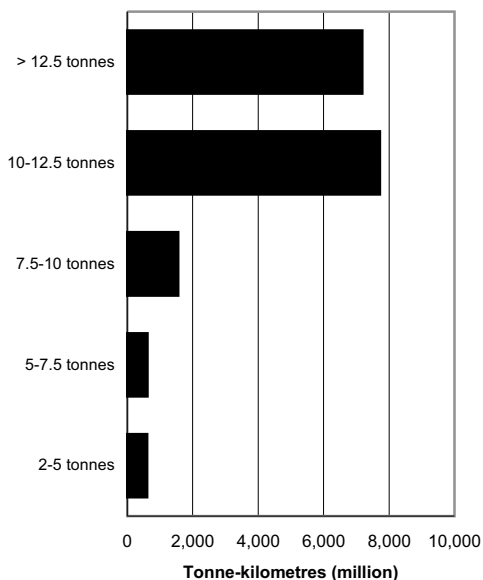


Chart 7: Weight of goods carried by year of manufacture of vehicle

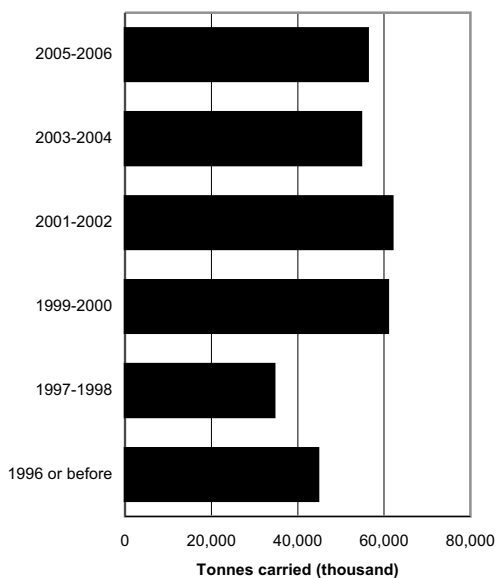


Table C.1

Business of owner	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres		Laden Journeys	
	<i>million</i>	<i>%</i>	<i>thousand</i>	<i>%</i>	<i>million</i>	<i>%</i>	<i>thousand</i>	<i>%</i>
Transport	8,817	49.9	94,936	30.3	912	36.1	5,950	23.2
Other	8,870	50.1	217,977	69.7	1,611	63.9	19,696	76.8
Total	17,687	100.0	312,913	100.0	2,523	100.0	25,646	100.0

Size of Vehicles in Fleet

It can be seen from the table below that the smallest vehicles, in the “2 to 5 tonnes” unladen weight category, accounted for almost 54% of the vehicle fleet. However such vehicles were responsible for only 4% of the total weight of goods transported and 3% of activity in terms of tonne-kilometres. Their share of total vehicle kilometres was larger at 25%. Vehicles in the unladen weight category “10 to 12.5 tonnes” accounted for 15% of the vehicle fleet and had the largest share of activity in terms of tonne-kilometres accounting for almost 44% of the total. These vehicles were also responsible for 30% of total vehicle kilometres travelled and 41% of total tonnes carried. The largest vehicles, in the category “over 12.5 tonnes” unladen weight, accounted for 12% of the vehicle fleet and transported 43% of the total weight of goods carried. They travelled 26% of total vehicle kilometres and were responsible for 41% of activity in terms of tonne-kilometres. (See Table D.1 and Chart 6).

Table D.1

Unladen Weight (tonnes)	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres		No. of Vehicles	
	<i>million</i>	<i>%</i>	<i>thousand</i>	<i>%</i>	<i>million</i>	<i>%</i>	<i>%</i>	<i>%</i>
2-5	610	3.4	12,710	4.1	621	24.6	57,025	53.9
5-7.5	612	3.5	10,478	3.3	197	7.8	9,971	9.4
7.5-10	1,556	8.8	25,936	8.3	285	11.3	10,355	9.8
10-12.5	7,723	43.7	129,381	41.3	758	30.1	16,207	15.3
Over 12.5	7,185	40.6	134,409	43.0	662	26.2	12,327	11.6
Total	17,687	100.0	312,913	100.0	2,523	100.0	105,885	100.0

Age of Fleet

In 2006, vehicles manufactured from 2003 onwards accounted for 30% of the vehicle fleet. These vehicles transported 35% of the total weight of goods carried, travelled 40% of the total vehicle kilometres and were responsible for 42% of total activity in terms of tonne-kilometres. The oldest vehicles, those manufactured in 1996 or before, accounted for 26% of the vehicle fleet but were not used as intensively as the newer vehicles. They were responsible for only 11% of total activity in tonne-kilometres. They transported 14% of the total weight of goods carried and travelled 13% of total vehicle kilometres. (See Table E.1 and Chart 7).

Table E.1

Year of Manufacture	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres		No. of Vehicles	
	<i>million</i>	%	<i>thousand</i>	%	<i>million</i>	%		%
2005-2006	3,851	21.8	56,181	18.0	513	20.3	16,190	15.3
2003-2004	3,583	20.3	54,680	17.5	495	19.6	15,954	15.1
2001-2002	3,621	20.5	61,917	19.8	502	19.9	15,874	15.0
1999-2000	3,010	17.0	60,888	19.4	435	17.2	17,306	16.3
1997-1998	1,724	9.7	34,550	11.0	256	10.2	12,931	12.2
1996 or before	1,897	10.7	44,696	14.3	323	12.8	27,630	26.1
Total	17,687	100.0	312,913	100.0	2,523	100.0	105,885	100.0

Length of Haul

More than half of the total weight of goods carried in 2006 was transported on journeys of 25 km or less. 44% of total vehicle kilometres were travelled on these short journeys but they accounted for only 11% of total tonne-kilometres. Journeys of 151km or over accounted for 50% of activity in terms of tonne-kilometres and almost 31% of vehicle kilometres travelled, but only 10% of the total weight of goods carried. (See Table F.1 and Chart 8).

Table F.1

Length of Haul	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres	
	<i>million</i>	%	<i>thousand</i>	%	<i>million</i>	%
Up to 10 km	397	2.3	65,199	20.8	998	39.5
11 to 25 km	1,582	8.9	94,927	30.3	123	4.9
26 to 50 km	2,247	12.7	63,790	20.3	190	7.5
51 to 150 km	4,711	26.6	57,434	18.3	437	17.3
151 to 500 km	6,309	35.7	29,000	9.3	597	23.7
Over 500 km	2,441	13.8	2,562	1.0	178	7.1
Total	17,687	100.0	312,913	100.0	2,523	100.0

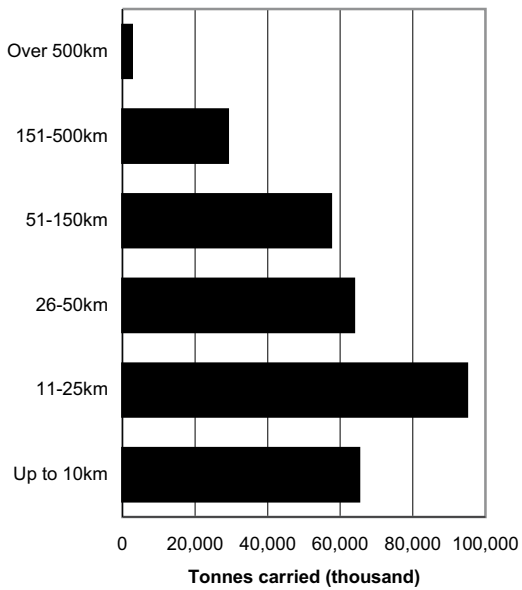
Chart 8: Weight of goods carried by length of haul

Chart 9: Tonnes Carried by Commodity

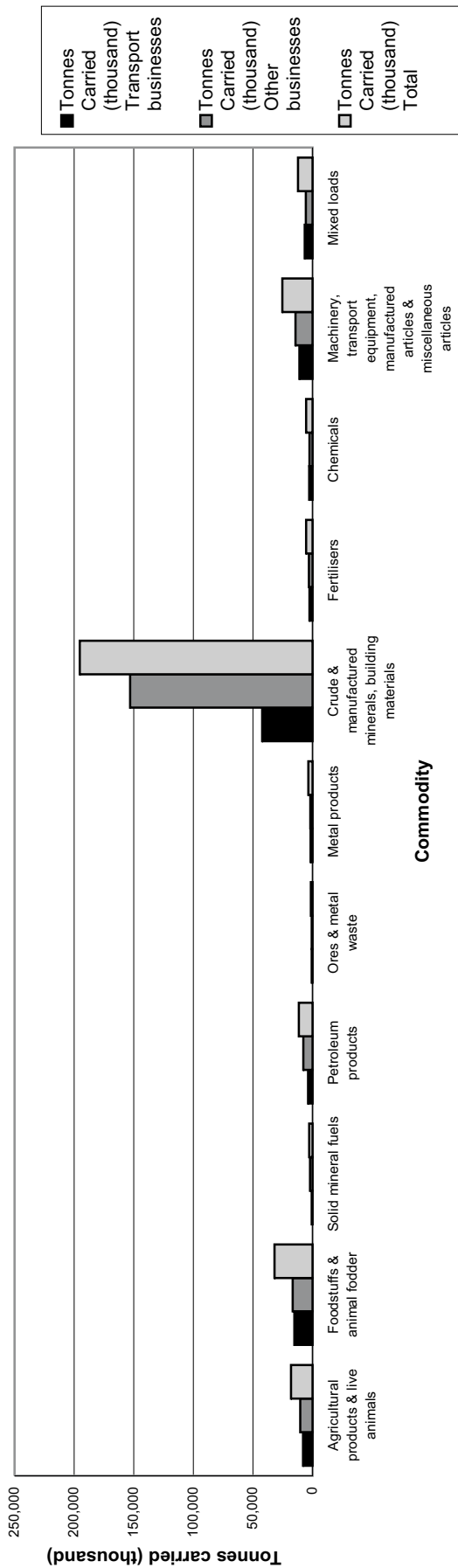
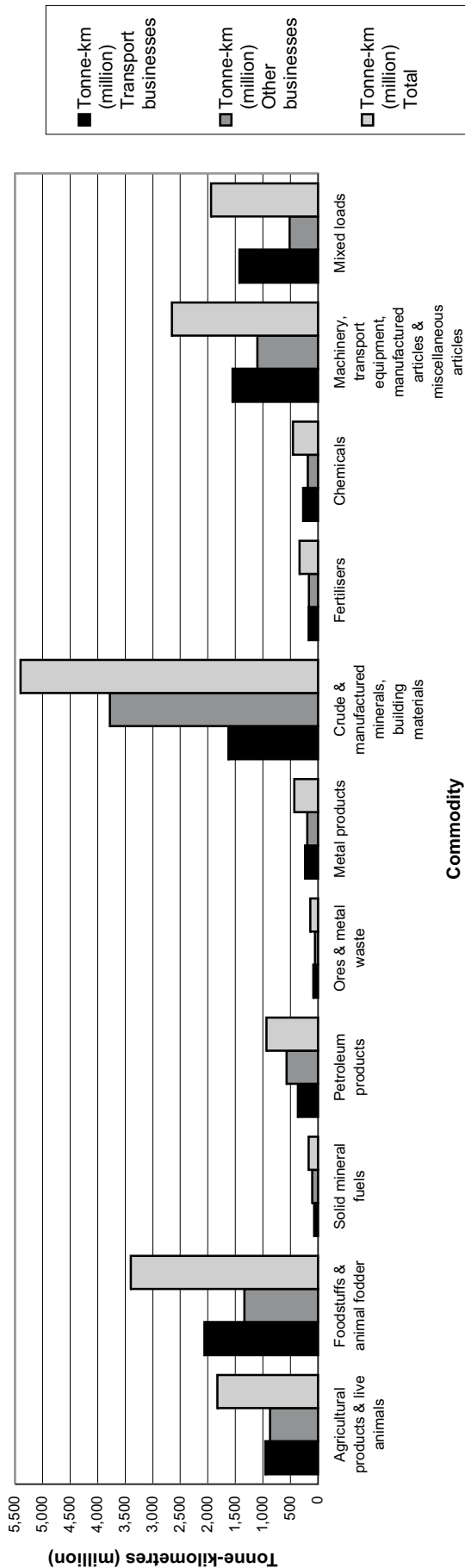


Chart 10: Tonne-Kilometres by Commodity



Commodity by Business of Owner

The commodity data below is classified according to the chapter headings of the Standard Goods Classification for Transport Statistics of the European Union (NST/R) and the composition of this classification is shown in Appendix C.

Table G.1

Commodity	Transport Businesses		Other Businesses		Total	
	Tonne-Kilometres	Tonnes Carried	Tonne-Kilometres	Tonnes Carried	Tonne-Kilometres	Tonnes Carried
	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>	<i>million</i>	<i>thousand</i>
Agricultural Products & Live						
Animals	956	7,919	873	10,226	1,829	18,145
Foodstuffs and Animal						
Fodder	2,060	15,241	1,338	16,753	3,398	31,994
Solid Mineral Fuels	68	708	103	2,006	171	2,714
Petroleum Products	365	3,735	570	7,677	935	11,412
Ores and Metal Waste	86	596	53	711	138	1,307
Metal Products	236	1,626	193	1,814	429	3,441
Crude and Manufactured						
Minerals, Building Materials	1,626	42,284	3,776	153,023	5,402	195,307
Fertilisers	172	2,505	164	2,952	336	5,457
Chemicals	269	2,767	185	2,652	454	5,419
Machinery, Transport						
Equipment, Manufactured						
Articles & Miscellaneous						
Articles	1,553	10,985	1,099	14,433	2,652	25,418
Mixed Loads	1,427	6,570	516	5,729	1,943	12,299
Total	8,817	94,936	8,870	217,976	17,687	312,913

62% of the total weight of goods carried were in the group *Crude and Manufactured Minerals, Building Materials*. This group accounted for 45% of the weight of goods carried by vehicles owned by transport businesses and 70% of the weight of goods carried by vehicles owned by other businesses. It was also the largest group in terms of tonne-kilometres but with a much smaller 31% share of the total. The second largest group in terms of tonne-kilometres was *Foodstuffs and Animal Fodder*, which accounted for 19% of total tonne-kilometres. This group accounted for only 10% of the total weight of goods carried. (See Table G.1 and Charts 9 and 10).

Vehicle Use

Vehicles were idle for various reasons such as being under repair, no work being available, awaiting resale at vehicle dealers, holidays, etc. Furthermore, some of the old vehicles in the fleet are retained by their owners but used infrequently.

Some vehicles, though taxed as *goods vehicles*, are used as passenger vehicles or for service type work. These vehicles are classified as non-relevant and are not included in the survey's activity estimates. They are, however, included in all fleet analyses.

Chart 11: Number of idle vehicles by unladen weight

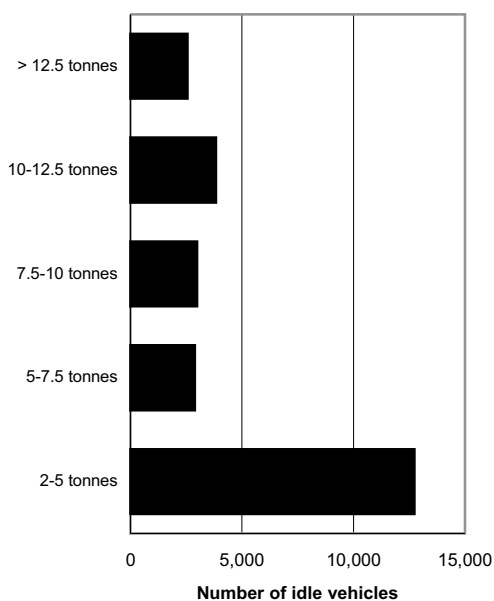


Chart 12: Weight of goods transported to Ireland by Irish registered goods vehicles by country of origin

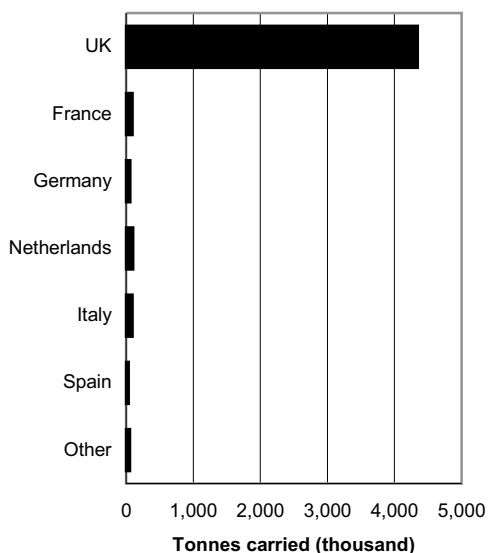


Table H.1

Unladen Weight	Number of Vehicles	Number of Idle Vehicles	Number of Non-Relevant Vehicles
2-5 tonnes	57,025	12,731	21,484
5-7.5 tonnes	9,971	2,881	1,696
7.5-10 tonnes	10,355	2,985	1,094
10-12.5 tonnes	16,207	3,828	1,031
Over 12.5 tonnes	12,327	2,552	573
Total	105,885	24,978	25,877

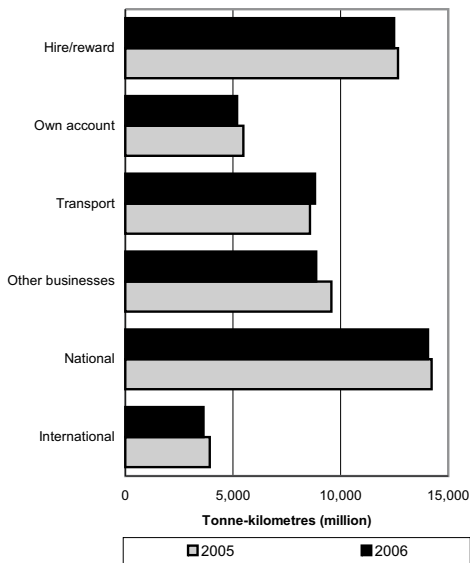
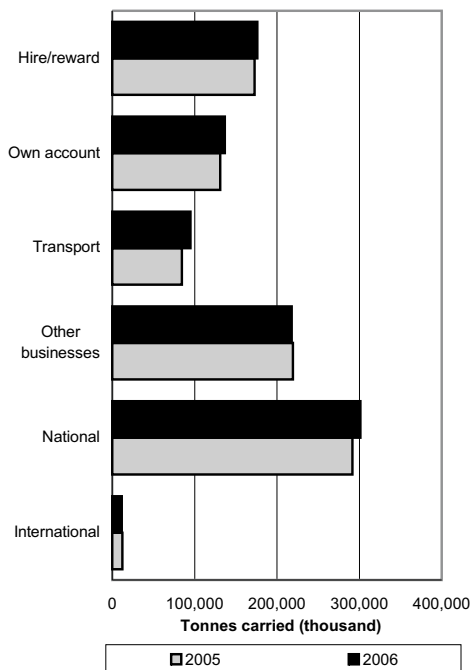
On average, 24% of the vehicle fleet was idle in any one week during the year. This percentage was largest at 29% for vehicles in the unladen weight categories of “5 to 7.5 tonnes” and “7.5 to 10 tonnes” and smallest at 21% for vehicles in the unladen weight category “Over 12.5 tonnes”. Vehicles regarded as non-relevant accounted for 24% of the fleet. The unladen weight category “2 to 5 tonnes” had the highest percentage of non-relevant vehicles at 38% while only 6% of vehicles in the unladen weight category “10 to 12.5 tonnes” and 5% of vehicles in the unladen weight category “Over 12.5 tonnes” were non-relevant. (See Table H.1 and Chart 11).

International Transport

Table I.1 below shows the top countries to which goods were brought from Ireland and from which goods were brought to Ireland by Irish registered goods vehicles. As would be expected the largest share of our international transport is with the UK. Irish goods vehicles transported 4,344 thousand tonnes of goods from the UK to Ireland and 3,236 thousand tonnes of goods to the UK from Ireland. Figures for the UK include transport to and from Northern Ireland. Goods received from the Northern Ireland accounted for 79.6% (3,458 thousand tonnes) of UK traffic and goods dispatched to Northern Ireland accounted for 75.9% (2,457 thousand tonnes) of UK traffic. (See Table I.1 and Chart 12).

Table I.1

Country	Tonnage Received		Tonnage Dispatched	
	<i>thousand</i>	<i>%</i>	<i>thousand</i>	<i>%</i>
United Kingdom <i>(of which Northern Ireland)</i>	4,344 <i>(3,458)</i>	90.5	3,236 <i>(2,457)</i>	88.1
France	96	2.0	155	4.2
Germany	63	1.3	45	1.2
Netherlands	105	2.2	75	2.1
Italy	97	2.0	48	1.3
Spain	37	0.8	51	1.4
Other Countries	58	1.2	64	1.7
Total	4,800	100.0	3,674	100.0

Chart 13: Activity in terms of tonne-kilometres**Chart 14: Weight of goods carried****Comparison with 2005 Results**

Vehicles used mainly for hire or reward transport carried over 176 million tonnes of goods in 2006, an increase of 2% on the 2005 figures. Activity in terms of tonne-kilometres for hire or reward transport decreased by 1.3% while there was a decrease of 3.2% in vehicle kilometres travelled on the 2005 figures. In 2006 vehicles used mainly for hire or reward transport carried 56.3% of the total weight of goods as compared to 56.8% in 2005. The weight of goods carried on own account transport increased by 4.2% between 2005 and 2006, tonne-kilometres decreased by 5.4% and vehicle kilometres increased by 0.3%.

The weight of goods carried by vehicles owned by transport businesses increased by 12.5% between 2005 and 2006. Activity in terms of tonne-kilometres increased by 2.8% and vehicle kilometres increased by 3.1% on the 2005 figures. Figures for transport of goods by other types of business showed substantial decreases. The weight of goods transported by vehicles owned by other businesses decreased by 0.7%, activity in terms of tonne-kilometres decreased by 7.3% and vehicle kilometres decreased by 4.2%. Vehicles owned by transport businesses carried 30% of the total weight of goods transported in 2006 as compared to their 28% share in 2005.

Between 2005 and 2006, the weight of goods carried on national journeys increased by 3.3% while the weight of goods carried on international journeys showed a decrease of 5.6%. In 2006, national transport accounted for 96.3% of the total weight of goods carried compared with 95.9% in 2005. National transport activity in terms of tonne-kilometres decreased by 1.2% between 2005 and 2006, while international transport activity showed a decrease of 7.6%. Vehicle kilometres travelled on national journeys decreased by 0.7% and vehicle kilometres travelled on international journeys decreased by 8.2%. (See Table J.1 and Charts 13 and 14).

Table J.1

	Owner, Use, National/International		Tonne-Kilometres		Tonnes Carried		Vehicle Kilometers		
	2005	2006	2005	2006	2005	2006	2005	2006	
	<i>million</i>		<i>% Change</i>		<i>thousand</i>		<i>% Change</i>		
Business of Owner									
Transport	8,579	8,817	2.8	84,374	94,936	12.5	885	912	3.1
Other	9,573	8,870	-7.3	219,492	217,977	-0.7	1,681	1,611	-4.2
Main Use of Vehicle									
Hire or Reward	12,662	12,493	-1.3	172,689	176,167	2.0	1,406	1,361	-3.2
Own Account	5,490	5,193	-5.4	131,176	136,745	4.2	1,159	1,162	0.3
National/International									
National	14,223	14,056	-1.2	291,506	301,242	3.3	2,235	2,219	-0.7
International	3,929	3,631	-7.6	12,360	11,670	-5.6	331	304	-8.2
Total	18,152	17,687	-2.6	303,866	312,913	3.0	2,566	2,523	-1.7

Chapter 2

Detailed Results

Table 1 Transport Activity classified by Business of owner and Main use of vehicle, 2006

Business of owner of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	8,817	8,817	0	94,936	94,936
Manufacturing industry	1,577	4	1,581	49,479	179	49,657
Mining & quarrying (incl. sand & gravel merchants)	558	3	561	24,102	112	24,214
Creameries & agricultural cooperative societies	41	0	41	1,125	4	1,129
Manufacture of food & feeding stuffs	183	0	184	2,413	3	2,416
Manufacture of drink & tobacco	60	0	60	504	0	504
Manufacture of glass, cement & clay products	435	1	436	16,803	59	16,862
Other manufacturing	299	0	299	4,532	0	4,532
Building & Construction	668	0	668	25,224	0	25,224
Distribution	2,004	3,308	5,312	37,499	73,176	110,675
Agriculture & livestock dealing	264	28	292	3,500	233	3,733
Local Authorities	260	0	260	7,970	5	7,975
Other	420	336	756	13,073	7,639	20,712
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 2 Transport Activity classified by Vehicle capacity, National/International journeys and Main use of vehicle, 2006

Type of Journey and Vehicle Capacity	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Vehicle capacity (kg)						
Up to 5,000	168	40	208	2,855	538	3,392
5,001 - 10,000	244	128	373	6,987	2,070	9,057
10,001 - 15,000	284	223	507	6,843	2,968	9,811
15,001 - 20,000	524	563	1,087	12,816	10,102	22,917
20,001 - 25,000	72	205	277	2,166	2,978	5,144
25,001 - 35,000	2,720	6,466	9,186	87,131	125,900	213,031
Over 35,000	884	1,534	2,418	14,925	22,965	37,890
Total	4,896	9,160	14,056	133,722	167,520	301,242
International journeys						
Vehicle capacity (kg)						
Up to 5,000	4	2	6	34	8	42
5,001 - 10,000	5	2	7	34	20	53
10,001 - 15,000	2	18	20	17	46	63
15,001 - 20,000	28	228	255	492	792	1,284
20,001 - 25,000	0	87	87	0	223	223
25,001 - 35,000	187	2,209	2,396	1,729	5,840	7,569
Over 35,000	71	788	859	717	1,720	2,437
Total	298	3,334	3,631	3,023	8,647	11,670
Total						
Vehicle capacity (kg)						
Up to 5,000	172	42	214	2,889	545	3,434
5,001 - 10,000	249	130	379	7,020	2,090	9,110
10,001 - 15,000	286	242	528	6,860	3,014	9,874
15,001 - 20,000	551	791	1,342	13,307	10,893	24,201
20,001 - 25,000	72	292	364	2,166	3,201	5,367
25,001 - 35,000	2,907	8,674	11,582	88,860	131,740	220,600
Over 35,000	956	2,322	3,278	15,642	24,685	40,327
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 3 Transport Activity classified by Business of owner, Unladen weight and Main use of vehicle, 2006

Business of owner and Unladen weight of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Unladen weight (kg)						
2,000 - 5,000	0	87	87	0	1,258	1,258
5,001 - 7,500	0	234	234	0	2,190	2,190
7,501 - 10,000	0	726	726	0	8,459	8,459
10,001 - 12,500	0	4,474	4,474	0	43,755	43,755
Over 12,500	0	3,296	3,296	0	39,275	39,275
Total	0	8,817	8,817	0	94,936	94,936
Other businesses						
Unladen weight (kg)						
2,000 - 5,000	439	84	523	10,055	1,397	11,452
5,001 - 7,500	287	91	378	6,864	1,425	8,288
7,501 - 10,000	584	245	829	13,400	4,077	17,477
10,001 - 12,500	1,589	1,661	3,249	48,902	36,724	85,625
Over 12,500	2,295	1,595	3,889	57,525	37,608	95,134
Total	5,193	3,676	8,870	136,745	81,231	217,976
Total						
Unladen weight (kg)						
2,000 - 5,000	439	171	610	10,055	2,655	12,710
5,001 - 7,500	287	325	612	6,864	3,614	10,478
7,501 - 10,000	584	972	1,556	13,400	12,536	25,936
10,001 - 12,500	1,589	6,135	7,723	48,902	80,479	129,381
Over 12,500	2,295	4,891	7,185	57,525	76,883	134,409
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 4 Transport Activity classified by Region of origin and Main use of vehicle, 2006

Region of Origin	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Border	632	1,292	1,924	17,519	19,374	36,894
Midland	364	599	962	12,895	10,186	23,081
West	634	730	1,364	18,413	13,395	31,809
Dublin	802	2,268	3,070	18,449	35,885	54,334
Mid-East	622	1,078	1,700	16,176	23,603	39,778
Mid-West	559	1,005	1,564	15,079	18,470	33,549
South-East	692	1,678	2,370	15,603	23,117	38,720
South-West	732	1,687	2,419	20,404	26,347	46,751
Other	157	2,157	2,313	2,207	5,790	7,997
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 5 Transport Activity classified by Business of owner, Length of haul and Main use of vehicle, 2006

Business of owner of vehicle and Length of haul	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport						
Length of haul (km)						
Up to 10	0	76	76	0	12,856	12,856
11-25	0	378	378	0	22,614	22,614
26-50	0	647	647	0	17,822	17,822
51-150	0	2,129	2,129	0	24,322	24,322
151-500	0	3,495	3,495	0	15,284	15,284
Over 500	0	2,093	2,093	0	2,039	2,039
Total	0	8,817	8,817	0	94,936	94,936
Other businesses						
Length of haul (km)						
Up to 10	206	115	321	34,608	17,735	52,343
11-25	767	437	1,204	46,761	25,552	72,313
26-50	931	669	1,600	27,240	18,728	45,968
51-150	1,528	1,054	2,582	19,754	13,358	33,113
151-500	1,592	1,222	2,814	8,093	5,623	13,716
Over 500	171	178	349	289	235	524
Total	5,193	3,676	8,870	136,745	81,231	217,976
Total						
Length of haul (km)						
Up to 10	206	191	397	34,608	30,591	65,199
11-25	767	815	1,582	46,761	48,166	94,927
26-50	931	1,316	2,247	27,240	36,550	63,790
51-150	1,528	3,183	4,711	19,754	37,680	57,434
151-500	1,592	4,717	6,309	8,093	20,907	29,000
Over 500	171	2,270	2,441	289	2,273	2,562
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 6 Transport Activity classified by Main type of work and Main use of vehicle, 2006

Main type of work done by vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Import/export work ¹	97	3,727	3,824	838	16,875	17,714
Carriage of livestock	73	87	160	889	619	1,508
Carriage of other farm produce from farms	119	189	308	1,897	3,987	5,884
Carriage of fertilisers, feedingstuffs etc. to farms	102	414	516	2,023	4,893	6,916
Delivery of goods to road works or building sites	1,952	2,306	4,258	77,559	82,988	160,546
Delivery of goods to retail outlets	779	1,407	2,186	9,191	14,460	23,651
Delivery of goods to wholesalers	284	997	1,281	3,220	8,889	12,109
Delivery of materials and fuels to factories	223	1,170	1,393	4,500	13,304	17,804
Delivery of goods to households	229	67	296	5,719	1,485	7,204
Other work	1,334	2,129	3,463	30,908	28,668	59,576
Total	5,193	12,493	17,687	136,745	176,167	312,913

¹Includes work done to and from ports as well as roll-on/roll-off and cross-border work

Table 7 Transport Activity classified by National/International journeys and Main use of vehicle, 2006

Type of Journey	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National Journeys	4,896	9,160	14,056	133,722	167,520	301,242
International Journeys						
Goods loaded in Ireland	141	1,177	1,318	816	2,857	3,673
Goods unloaded in Ireland	122	1,194	1,316	1,592	3,208	4,800
Cross trade	9	555	564	9	619	628
Cabotage	26	409	434	606	1,963	2,569
Total International	298	3,334	3,631	3,023	8,647	11,670
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 8 Transport Activity classified by National/International journeys, Quarter and Main use of vehicle, 2006

National/International and Quarter	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
January - March	1,202	2,106	3,308	33,931	40,448	74,379
April - June	1,202	2,187	3,389	30,526	38,714	69,240
July - September	1,170	2,457	3,627	32,310	45,308	77,617
October - December	1,322	2,410	3,732	36,955	43,051	80,006
Total	4,896	9,160	14,056	133,722	167,520	301,242
International journeys						
January - March	91	626	716	615	2,187	2,802
April - June	69	800	869	627	1,718	2,345
July - September	69	945	1,015	912	2,515	3,428
October - December	69	963	1,032	868	2,227	3,096
Total	298	3,334	3,631	3,023	8,647	11,670
Total						
January - March	1,293	2,731	4,024	34,547	42,635	77,181
April - June	1,271	2,987	4,258	31,153	40,432	71,585
July - September	1,239	3,403	4,642	33,222	47,823	81,045
October - December	1,391	3,373	4,763	37,824	45,278	83,102
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 9 Transport Activity classified by Group of goods and National/International journeys, 2006

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	National journeys	International journeys	Total	National journeys	International journeys	Total
Agricultural products & live animals	1,382	446	1,829	16,618	1,527	18,145
Foodstuffs & animal fodder	2,270	1,127	3,398	29,575	2,419	31,994
Solid mineral fuels	156	15	171	2,584	130	2,714
Petroleum products	917	18	935	11,236	176	11,412
Ores & metal waste	96	42	138	1,050	258	1,307
Metal products	346	82	429	2,989	451	3,441
Crude & manufactured minerals, building materials	5,175	227	5,402	192,082	3,225	195,307
Fertilisers	305	31	336	5,315	141	5,457
Chemicals	321	133	454	5,133	286	5,419
Machinery, transport equipment, manufactured articles & miscellaneous articles	2,002	650	2,652	23,814	1,604	25,418
Mixed loads	1,085	858	1,943	10,845	1,453	12,299
Total	14,056	3,631	17,687	301,242	11,670	312,913

Table 10 Transport Activity classified by Group of goods and Main use of vehicle, 2006

Group of goods (NST/R Chapter)	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Agricultural products & live animals	463	1,366	1,829	6,117	12,028	18,145
Foodstuffs & animal fodder	744	2,654	3,398	9,501	22,493	31,994
Solid mineral fuels	38	133	171	950	1,764	2,714
Petroleum products	493	442	935	7,053	4,359	11,412
Ores & metal waste	35	104	138	445	862	1,307
Metal products	110	319	429	1,109	2,332	3,441
Crude & manufactured minerals, building materials	2,144	3,258	5,402	94,467	100,840	195,307
Fertilisers	81	255	336	1,657	3,800	5,457
Chemicals	78	376	454	1,287	4,132	5,419
Machinery, transport equipment, manufactured articles & miscellaneous articles	768	1,884	2,652	10,828	14,590	25,418
Mixed loads	240	1,703	1,943	3,331	8,968	12,299
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 11 Average Number of vehicles classified by Unladen weight, Year of manufacture and Main use of vehicle, 2006

Unladen weight and Year of manufacture of vehicle	Number of vehicles			Number of relevant vehicles		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Unladen weight (kg)						
2,000 - 5,000	51,819	5,205	57,025	31,141	4,400	35,541
5,001 - 7,500	8,052	1,919	9,971	6,527	1,748	8,275
7,501 - 10,000	6,879	3,477	10,355	5,925	3,337	9,262
10,001 - 12,500	7,449	8,758	16,207	6,656	8,520	15,176
Over 12,500	6,160	6,167	12,327	5,710	6,043	11,753
Total	80,359	25,526	105,885	55,959	24,048	80,007
Year of manufacture						
2005-2006	12,083	4,107	16,190	7,014	3,749	10,763
2003-2004	12,200	3,754	15,954	7,810	3,516	11,326
2001-2002	11,346	4,528	15,874	8,080	4,268	12,349
1999-2000	12,621	4,686	17,306	8,818	4,487	13,305
1997-1998	9,806	3,125	12,931	7,387	2,983	10,371
1996 or before	22,303	5,327	27,630	16,850	5,044	21,894
Total	80,359	25,526	105,885	55,959	24,048	80,007

Table 12 Transport Activity classified by Year of manufacture and Main use of vehicle, 2006

Year of manufacture of vehicle	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
2005-2006	874	2,977	3,851	22,022	34,158	56,181
2003-2004	1,003	2,580	3,583	22,537	32,144	54,680
2001-2002	1,175	2,446	3,621	29,968	31,948	61,917
1999-2000	968	2,043	3,010	27,545	33,344	60,888
1997-1998	566	1,159	1,724	15,590	18,960	34,550
1996 or before	608	1,289	1,897	19,083	25,613	44,696
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 13 Transport Activity classified by Body type and Main use of vehicle, 2006

Type of vehicle and Body type	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Rigid/Rigid with Trailer						
Platform or sided	304	265	569	6,356	6,216	12,572
Tipper	1,189	1,027	2,216	58,558	46,667	105,225
Tanker or other bulk carrier	278	89	367	6,217	2,994	9,211
Insulated or refrigerated box	132	80	212	2,043	682	2,726
Box or van body	350	322	671	5,214	3,293	8,507
Livestock carrier	35	12	46	533	173	706
Other	512	785	1,297	15,453	17,753	33,206
Total	2,799	2,579	5,378	94,375	77,778	172,154
Articulated						
Platform or sided	353	1,752	2,105	4,016	14,203	18,219
Tipper	511	1,516	2,028	16,544	31,844	48,388
Tanker or other bulk carrier	450	1,184	1,635	6,487	14,718	21,204
Insulated or refrigerated box	211	1,534	1,745	1,724	4,885	6,609
Box or van body	169	801	970	1,281	4,284	5,566
Livestock carrier	25	54	79	179	221	400
Other	675	3,073	3,748	12,140	28,234	40,374
Total	2,395	9,914	12,309	42,370	98,389	140,759
All Vehicles						
Platform or sided	657	2,017	2,674	10,372	20,419	30,791
Tipper	1,700	2,543	4,243	75,102	78,511	153,613
Tanker or other bulk carrier	729	1,273	2,002	12,704	17,711	30,415
Insulated or refrigerated box	343	1,613	1,956	3,767	5,568	9,335
Box or van body	518	1,122	1,641	6,495	7,577	14,072
Livestock carrier	59	66	125	712	394	1,106
Other	1,187	3,858	5,045	27,593	45,987	73,580
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 14 Vehicle Kilometres travelled classified by Business of owner and Main use of vehicle, 2006

Business of owner of vehicle	Loaded vehicle kilometres (million)			Total vehicle kilometres (million)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
Transport	0	604	604	0	912	912
Manufacturing industry	150	1	151	265	1	266
Mining & quarrying (incl. sand & gravel merchants)	28	0	29	57	0	57
Creameries & agricultural cooperative societies	9	0	9	13	0	13
Manufacture of food & feeding stuffs	33	0	33	49	0	50
Manufacture of drink & tobacco	6	0	6	8	0	8
Manufacture of glass, cement & clay products	28	0	28	54	0	54
Other manufacturing	47	0	47	85	0	85
Building & Construction	87	0	87	162	0	162
Distribution	327	221	548	511	380	891
Agriculture & livestock dealing	40	2	42	73	4	76
Local Authorities	23	0	24	47	0	47
Other	62	41	103	104	64	168
Total	690	868	1,558	1,162	1,361	2,523

Table 15 Transport Activity classified by National/International Journeys, Axle configuration and Main use of Vehicle, 2006

Type of Journey and Axle Configuration	Tonne-km (million)			Tonnes carried (thousand)		
	Own Account	Hire or Reward	Total	Own Account	Hire or Reward	Total
National journeys						
Rigid						
2 axle	906	560	1,466	20,185	7,507	27,692
3 axle	550	315	865	15,870	6,631	22,501
Other rigid	1,225	1,393	2,618	56,179	61,200	117,379
Rigid + trailer	35	126	160	626	1,291	1,916
Articulated						
3 axle	107	228	335	3,362	3,296	6,658
4 axle	423	728	1,152	13,253	16,860	30,113
5 axle	1,167	4,299	5,466	17,278	51,244	68,522
Other articulated	483	1,511	1,994	6,969	19,492	26,461
Total	4,896	9,160	14,056	133,722	167,520	301,242
International journeys						
Rigid						
2 axle	19	27	46	143	97	240
3 axle	36	42	78	782	184	966
Other rigid	28	89	117	590	809	1,398
Rigid + trailer	0	28	28	1	61	61
Articulated						
3 axle	8	37	45	173	55	228
4 axle	17	139	156	314	419	733
5 axle	173	2,694	2,867	799	5,889	6,687
Other articulated	16	279	295	222	1,135	1,356
Total	298	3,334	3,631	3,023	8,647	11,670
Total						
Rigid						
2 axle	925	587	1,512	20,328	7,604	27,932
3 axle	586	357	942	16,652	6,815	23,467
Other rigid	1,254	1,482	2,735	56,769	62,009	118,777
Rigid + trailer	35	153	188	626	1,351	1,978
Articulated						
3 axle	115	265	380	3,535	3,351	6,886
4 axle	440	867	1,307	13,567	17,279	30,846
5 axle	1,340	6,993	8,333	18,077	57,132	75,209
Other articulated	499	1,789	2,289	7,190	20,627	27,817
Total	5,193	12,493	17,687	136,745	176,167	312,913

Table 16 Transport Activity classified by Region of origin and Region of destination, 2006

Region of Origin	Region of Destination										Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Northern Ireland	Other Countries	
Tonne-km (million)											
Border	811	71	117	272	105	54	77	72	120	224	1,924
Midland	97	353	66	117	55	62	82	67	15	49	962
West	116	82	744	168	21	59	76	32	8	59	1,364
Dublin	312	162	199	729	436	195	275	484	63	214	3,070
Mid-East	100	96	62	458	615	65	139	71	30	63	1,700
Mid-West	56	51	98	141	32	690	122	259	9	107	1,564
South-East	95	77	90	310	136	142	1,022	272	87	139	2,370
South-West	32	67	65	318	49	199	325	1,234	11	119	2,419
Northern Ireland	190	5	21	42	10	6	51	27	48	43	444
Other Countries	64	27	25	582	51	57	85	71	113	794	1,870
Total	1,872	990	1,486	3,137	1,512	1,529	2,256	2,589	503	1,812	17,687
Tonnes carried (thousand)											
Border	27,921	1,163	881	2,884	1,357	249	469	214	1,498	258	36,894
Midland	973	16,496	850	1,308	1,145	963	862	350	70	62	23,081
West	1,610	1,309	26,876	788	128	529	343	156	26	44	31,809
Dublin	2,382	1,582	958	32,352	11,327	1,043	2,148	1,824	389	330	54,334
Mid-East	1,547	1,860	369	10,944	21,777	330	2,409	324	154	65	39,778
Mid-West	222	504	789	772	244	26,007	1,821	3,053	13	124	33,549
South-East	487	753	466	2,059	1,702	1,320	29,156	2,296	282	199	38,720
South-West	107	322	302	1,198	224	1,994	2,861	39,584	24	135	46,751
Northern Ireland	2,621	23	140	283	76	21	238	57	1,267	62	4,787
Other Countries	66	20	29	841	75	82	131	98	150	1,719	3,210
Total	37,934	24,032	31,660	53,429	38,055	32,537	40,438	47,956	3,874	2,997	312,913

Table 17 Vehicle Kilometres travelled classified by Region of origin and Region of destination, 2006

Region of Origin	Region of Destination										Total
	Border	Midland	West	Dublin	Mid-East	Mid-West	South-East	South-West	Northern Ireland	Other Countries	
Vehicle kilometres (million)											
Border	141	12	19	45	16	7	10	6	18	14	288
Midland	12	66	13	23	12	8	11	7	2	3	157
West	20	14	134	28	7	14	7	9	1	5	239
Dublin	47	21	31	162	73	23	43	47	11	15	474
Mid-East	16	12	7	73	97	6	21	9	4	5	250
Mid-West	7	8	14	21	5	112	21	34	1	9	231
South-East	11	11	8	44	22	22	167	36	5	9	336
South-West	5	8	9	42	10	33	38	203	1	8	357
Northern Ireland	18	2	2	10	3	1	6	1	5	3	51
Other Countries	5	2	1	38	4	4	6	5	6	70	141
Total	282	156	238	486	249	230	329	358	54	141	2,523

Table 18 Transport Activity classified by Country of origin and Country of destination, 2006

Country of Origin	Country of Destination										
	Austria	Belgium	Czech Republic	Denmark	France	Germany	Greece	Hungary	Ireland	Italy	Luxembourg
Tonne-km (million)											
Austria	0	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	10	0	0	0	29	3	0
Czech Republic	0	0	0	0	0	0	0	0	10	0	0
Denmark	0	0	0	0	0	0	0	0	10	0	0
France	0	2	0	0	20	5	0	0	112	21	0
Germany	2	3	0	0	5	19	0	0	82	2	0
Greece	0	0	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	0	0	0	0	14	0	0
Ireland	9	5	0	27	195	60	14	10	14,056	92	5
Italy	0	0	0	0	20	0	0	0	183	5	0
Luxembourg	0	0	0	0	0	2	0	0	0	0	0
Netherlands	0	0	2	0	0	0	8	0	97	0	0
Poland	0	0	0	0	0	3	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	10	9	0	0	72	0	0
Sweden	0	0	0	0	0	0	0	0	2	0	0
United Kingdom	0	9	0	0	19	35	34	2	705	20	0
Other EU ¹	0	0	0	0	0	0	0	0	0	0	0
Other Countries ²	0	0	0	0	2	1	0	0	0	0	0
Total	11	20	2	28	282	134	57	12	15,371	144	5

Table 18 Transport Activity classified by Country of origin and Country of destination, 2006
-continued

Country of Origin	Country of Destination								Total
	Netherlands	Poland	Portugal	Spain	Sweden	United Kingdom	Other EU ¹	Other Countries ²	
Tonne-km (million)									
Austria	0	0	0	0	0	0	0	0	0
Belgium	1	4	0	15	0	4	0	0	66
Czech Republic	0	0	0	0	0	0	0	0	10
Denmark	0	0	0	0	0	8	0	0	18
France	3	0	0	14	0	71	0	0	247
Germany	0	4	0	0	0	67	0	4	188
Greece	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	0	4	0	0	18
Ireland	68	12	15	100	19	683	0	2	15,373
Italy	0	0	0	0	0	24	0	0	232
Luxembourg	0	0	0	0	0	1	0	0	2
Netherlands	1	0	0	1	0	27	0	2	140
Poland	0	0	0	0	0	0	0	0	3
Portugal	0	0	0	0	0	0	0	0	0
Spain	0	0	4	10	0	37	0	0	142
Sweden	0	0	0	0	0	0	0	0	2
United Kingdom	32	0	0	3	0	378	0	0	1,237
Other EU ¹	0	0	0	0	0	0	0	0	0
Other Countries ²	0	0	0	0	0	4	0	0	7
Total	105	20	18	143	19	1,309	0	8	17,687

¹Includes Bulgaria, Cyprus, Estonia, Finland, Latvia, Lithuania, Malta, Romania, Slovakia and Slovenia

²Includes any country which is not a member state of the EU

Table 19 Weight of goods carried classified by Country of origin and Country of destination, 2006

Country of Origin	Country of Destination										
	Austria	Belgium	Czech Republic	Denmark	France	Germany	Greece	Hungary	Ireland	Italy	Luxembourg
Tonnes carried (thousand)											
Austria	0	0	0	0	0	0	0	0	0	0	0
Belgium	0	2	0	0	25	0	0	0	36	4	0
Czech Republic	0	0	0	0	0	0	0	0	6	0	0
Denmark	0	0	0	2	0	0	0	0	6	0	0
France	0	4	0	0	41	6	0	0	96	14	0
Germany	4	43	0	0	5	54	0	0	63	4	0
Greece	0	0	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	0	0	0	0	6	0	0
Ireland	5	7	0	16	155	45	5	4	301,242	48	4
Italy	0	0	0	0	17	0	0	0	97	25	0
Luxembourg	0	0	0	0	0	3	0	0	0	0	0
Netherlands	0	2	1	0	1	0	3	0	105	0	0
Poland	0	0	0	0	0	5	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	12	4	0	0	37	2	0
Sweden	0	0	0	0	0	0	0	0	2	0	0
United Kingdom	0	17	0	0	26	31	13	1	4,344	12	0
Other EU ¹	0	0	0	0	0	0	0	0	0	0	0
Other Countries ²	0	0	0	0	3	2	0	0	0	0	0
Total	10	74	1	18	283	151	20	6	306,042	110	4

Table 19 Weight of goods carried classified by Country of origin and Country of destination, 2006
-continued

Country of Origin	Country of Destination								Total
	Netherlands	Poland	Portugal	Spain	Sweden	United Kingdom	Other EU ¹	Other Countries ²	
Tonnes carried (thousand)									
Austria	0	0	0	0	0	0	0	0	0
Belgium	7	4	0	10	0	9	0	0	96
Czech Republic	0	0	0	0	0	0	0	0	6
Denmark	0	0	0	0	0	6	0	0	14
France	8	0	0	20	0	99	0	0	289
Germany	0	3	0	0	0	53	0	6	237
Greece	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	0	2	0	0	8
Ireland	75	6	8	51	8	3,236	0	1	304,916
Italy	0	0	0	0	0	14	0	0	153
Luxembourg	0	0	0	0	0	1	0	0	4
Netherlands	8	0	0	1	0	49	0	3	174
Poland	0	0	0	0	0	0	0	0	5
Portugal	0	0	0	0	0	0	0	0	0
Spain	0	0	6	29	0	18	0	0	108
Sweden	0	0	0	0	0	0	0	0	2
United Kingdom	39	0	0	3	0	2,408	0	0	6,894
Other EU ¹	0	0	0	0	0	0	0	0	0
Other Countries ²	0	0	0	0	0	3	0	0	7
Total	137	13	14	113	8	5,898	0	10	312,913

¹Includes Bulgaria, Cyprus, Estonia, Finland, Latvia, Lithuania, Malta, Romania, Slovakia and Slovenia

²Includes any country which is not a member state of the EU

Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 2006

Country of Origin	Country of Destination										
	Austria	Belgium	Czech Republic	Denmark	France	Germany	Greece	Hungary	Ireland	Italy	Luxembourg
Vehicle kilometres (million)											
Austria	0	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	1	1	0	0	2	0	0
Czech Republic	0	0	0	0	0	0	0	0	1	0	0
Denmark	0	0	0	0	0	0	0	0	1	0	0
France	0	1	0	0	3	1	0	0	8	2	0
Germany	0	0	0	0	0	2	0	0	6	0	0
Greece	0	0	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	0	0	0	0	1	0	0
Ireland	1	1	0	2	12	4	1	1	2,219	5	1
Italy	0	0	0	0	1	0	0	0	10	1	0
Luxembourg	0	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	1	0	6	0	0
Poland	0	0	0	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	0	1	0	0	0	4	0	0
Sweden	0	0	0	0	0	0	0	0	0	0	0
United Kingdom	0	1	0	0	1	2	2	0	69	1	0
Other EU ¹	0	0	0	0	0	0	0	0	0	0	0
Other Countries ²	0	0	0	0	0	0	0	0	0	0	0
Total	1	3	0	2	19	12	4	1	2,328	10	1

Table 20 Vehicle Kilometres travelled classified by Country of origin and Country of destination, 2006
-continued

Country of Origin	Country of Destination								Total	
	Netherlands	Poland	Portugal	Spain	Sweden	United Kingdom	Other EU ¹	Other Countries ²		
Vehicle kilometres (million)										
Austria	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	1	0	0	0	0	0	5
Czech Republic	0	0	0	0	0	0	0	0	0	1
Denmark	0	0	0	0	0	0	0	0	0	1
France	1	0	0	1	0	4	0	0	0	20
Germany	0	0	0	0	0	4	0	0	0	14
Greece	0	0	0	0	0	0	0	0	0	0
Hungary	0	0	0	0	0	0	0	0	0	1
Ireland	5	1	1	7	1	69	0	0	0	2,331
Italy	0	0	0	0	0	1	0	0	0	13
Luxembourg	0	0	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	2	0	0	0	10
Poland	0	0	0	0	0	0	0	0	0	1
Portugal	0	0	0	0	0	0	0	0	0	0
Spain	0	0	0	2	0	2	0	0	0	10
Sweden	0	0	0	0	0	0	0	0	0	0
United Kingdom	2	0	0	0	0	34	0	0	0	114
Other EU ¹	0	0	0	0	0	0	0	0	0	0
Other Countries ²	0	0	0	0	0	0	0	0	0	1
Total	8	2	1	12	1	119	0	1	1	2,523

¹Includes Bulgaria, Cyprus, Estonia, Finland, Latvia, Lithuania, Malta, Romania, Slovakia and Slovenia

²Includes any country which is not a member state of the EU

Chapter 3

Methodology

Survey Methodology

Legal Framework The “National Survey of Transport of Goods by Road” was carried out as part of an EU wide project, in accordance with Council Regulation (EC) 1172/98 on statistical returns in respect of the carriage of goods by road.

Data Data on all vehicles taxed as goods vehicles is made available by the Department of the Environment and Local Government for the survey. From this a basic survey register is constructed. It comprises all goods vehicles which had been under licence at any time after 31 December 1988.

The register was updated every eight weeks during 2006 with information from the Department regarding vehicles;

- (i) being registered for the first time,
- (ii) having their motor taxation class changed,
- (iii) being formally scrapped,
- (iv) having their registered owner changed.

The details relating to each vehicle contained on the register which were required for survey purposes were as follows:

- year of manufacture of the vehicle,
- date of first registration of vehicle,
- an indication as to whether the vehicle had been taxed for the carriage of goods on own account or for hire or reward,
- unladen weight of vehicle and
- name and address of the person in whose name the vehicle was most recently taxed (referred to as the owner of the vehicle in the following paragraphs).

Sample Design Information was collected regarding one week’s transport activity for a random sample of goods vehicles. The sample was spread evenly over each week during the year. Each week a sample of vehicles was selected from the register and a questionnaire, seeking information on the vehicle and an account of the vehicle’s activity during that week, was issued to the owner of the vehicle. For the purposes of sample selection vehicles were divided into 3 strata depending on their unladen weight. A random sample was taken within each of the three unladen weight strata. Different sampling rates were applied in each unladen weight stratum to maximise sampling accuracy for the overall sample. Steps were taken to ensure that the sample rates remained constant across the three vehicle age categories shown in Appendix A. Table K.1 shows the sampling rates used. A breakdown of the three selection strata is shown in Appendix A. The sampling rates remained constant throughout the year and accordingly, since newly registered goods vehicles were being added to the register at regular intervals, the weekly sample size increased gradually as the year progressed.

Table K.1

Unladen Weight		
2-5 tonnes	5-10 tonnes	10 tonnes and over
Sampling Rate %		
15	50	90

Data Collection Survey questionnaires (see Appendix D) were issued during the week prior to the survey week to which they referred. When necessary, reminders were issued 10 days and 20 days after the survey week.

Response Rates Overall, out of a total of 31,710 vehicles surveyed, a satisfactory return was received in respect of 12,997 vehicles and represented an overall response rate of 41%. However, this rate varied across the different unladen weight strata and also differed across the year of manufacture. Response rates for the unladen weight stratum broken down by year of manufacture are presented in Table L.1:

Table L.1

Year of Manufacture	Unladen Weight					
	2-5 tonnes		5-10 tonnes		10 tonnes and over	
	Questionnaires Issued	% Response	Questionnaires Issued	% Response	Questionnaires Issued	% Response
Before 1998	1,710	43	3,360	36	3,315	31
1998-2002	2,952	46	2,642	42	6,632	38
After 2002	3,462	49	1,608	43	6,029	44

When transfer of ownership or change of address of owner occurred before the survey week, every effort was made to trace the new owner or to ascertain the new address. However, this was not always possible and as a result response rates were lower than would otherwise have been the case.

Where returned questionnaires were either incomplete or unsatisfactorily completed the vehicle owners were queried regarding omissions or erroneous entries. Unless satisfactory replies were received to such queries these questionnaires were not used in the processing of the survey results and are not included in the calculation of response rates above. Vehicles that had been scrapped before the relevant survey week accounted for 591 returns in addition to the 12,997 satisfactory returns.

Compilation and Grossing Survey returns were processed on a quarterly basis and in each year the results obtained for each of the four quarters were combined to provide the annual results contained in this report. The same processing scheme was used for each quarter and this involved stringent checking of returns including comparisons with activity levels in previous quarters.

For the grossing up of survey returns to the level of the goods vehicle fleet as a whole, vehicles were classified into a total of 20 strata by subdividing the 3 strata used in sample selection via three additional criteria. These criteria were:

- Year of first registration of the vehicle;
- Whether the vehicle had been taxed for the carriage of goods on own account or for hire or reward and;
- Year of manufacture.

A full description of the 20 strata used, together with their relationship to the 3 sample selection strata, is given in Appendix A. These additional strata were introduced to cater for the following:

- (a) possible under-representation in the sample of vehicles registered for the first time during the survey year;
- (b) possible varying response between vehicles which had been taxed for the carriage of goods on own account on the one hand or for hire or reward on the other.

In each stratum the total number of vehicles on the register was first adjusted to take account of the estimated number of scrapped vehicles. The resultant total number of non-scrapped (i.e. active) vehicles was then divided by the number of non-scrapped vehicles in the sample to provide the stratum vehicle grossing factor.

The weekly activity measures (tonnes carried, tonne-kilometres done etc.) for each sample vehicle were multiplied by 13 to expand them to quarterly levels and then by the relevant vehicle grossing factor to obtain the quarterly estimate covering all *active* vehicles. The estimates for each quarter were then added together to provide the annual results.

The total fleet size for which estimated analyses are provided is the *average* of the number of *active* vehicles in each quarter. Thus the total of vehicles analysed in this report does not relate to the actual goods vehicle fleet at any particular time during the survey year but to the average fleet size during the year. Similarly the fleet classifications provided refer to the average position during the year.

Reliability of Results

Estimation of survey results from data relating to only one week's activity for a sample of vehicles introduces a statistical variability which would not be present if a full year's data had been collected for *every* vehicle. This means that the survey results cannot be taken as accurate to the full degree shown in this report.

The variability is expressed by means of the coefficient of variation. This coefficient gives the relative size of the "sampling error" (variability) present in an estimate compared with the estimate itself. In general, estimates can be said to have a relative precision of twice their coefficient of variation. The estimated coefficients of variation for the overall tonnes carried, tonne-kilometres and vehicle kilometres estimates are shown in Table M.1 below.

Table M.1

Unladen Weight (tonnes)	Tonne-Kilometres		Tonnes Carried		Vehicle Kilometres	
	Survey Estimate	Coefficient of Variation	Survey Estimate	Coefficient of Variation	Survey Estimate	Coefficient of Variation
	<i>million</i>	%	<i>thousand</i>	%	<i>million</i>	%
2-5	610	10	12,710	7	621	3
5-7.5	612	13	10,478	7	197	9
7.5-10	1,556	6	25,936	4	285	2
10-12.5	7,723	3	129,381	3	758	2
Over 12.5	7,185	1	134,409	1	663	2
Total	17,687	2	312,913	2	2,523	1

In general, the more detailed the classification provided the greater the coefficient of variation of the estimates. In the derivation of the results the assumption was made that non-respondents had similar characteristics and activity levels to those of respondents in the same stratification cell. This assumption, which is a standard one in surveys such as this, may have resulted in some slight bias being introduced into the results. Moreover, although every effort was made to ensure that the returns received were correct in all respects it is inevitable that some minor non-sampling errors remained undetected.

Definitions Used **Type of Journey**

Two basic categories of journey were distinguished – split delivery/collection journeys and end-to-end journeys.

- End-to-end journeys are those which have no intermediate collection or delivery points between their origin and destination.
- Split delivery/collection journeys involved the depositing and/or collection of part of the load carried at one or more stopping points along the way. Common examples of such journeys are household bread delivery runs or delivering of beer to public houses with concomitant collection of empties.

Tonnes Carried

- This is the weight of goods (including empties) carried inclusive of packaging etc. but excluding the weight of demountable containers (if any) in which the goods are carried.
- For split delivery/collection journeys tonnes carried is taken as the weight of goods at the start of the journey plus the weight of any other goods collected during the journey.

Tonne-Kilometre

- For end-to-end journeys this is the result of multiplying the weight of goods carried by the distance they were carried.
- For split delivery/collection journeys more complex formulae were used. These involved multiplying the distance travelled with a load by an estimate of the average weight of load carried.

Road Cabotage Transport

In the context of this report, road cabotage transport is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) located in the same country provided that this country is not the Republic of Ireland. It may involve transit through one or more additional countries.

Cross Trade

In the context of this report, cross trade is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) located in two different countries, provided that neither of these countries is the Republic of Ireland. It may involve transit through one or more additional countries.

International Road Transport

In the context of this report, international transport is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) located in two different countries and cabotage by road as defined above. It may involve transit through one or more additional countries.

National Transport

In the context of this report, national transport is the carriage of goods by road by Irish registered goods vehicles between two places (a place of loading/embarkment and a place of unloading/disembarkment) both of which are located in the Republic of Ireland.

Appendices

Appendix A

Definition of Strata used in Sample Selection and in the Grossing up of Survey Returns

Vehicle Characteristics				Stratum Number	
Year of Manufacture	Unladen Weight	Taxation Use ¹	Year of First Registration	Grossing Up	Sample Selection
Before 1998	2-5 tonnes	Immaterial	Immaterial	1	1
“	5-10 tonnes	Own Account	“	2	2
“	“	Hire or Reward	“	3	
“	10 tonnes or over	Own Account	“	4	3
“	“	Hire or Reward	“	5	
1998 to 2002	2-5 tonnes	Immaterial	“	6	4
“	5-10 tonnes	Own Account	“	7	5
“	“	Hire or Reward	“	8	
“	10 tonnes or over	Own Account	“	9	6
“	“	Hire or Reward	“	10	
2003 or later	2-5 tonnes	Immaterial	Before 2005	11	7
“	“	“	2005 or later	12	
“	5-10 tonnes	Own Account	Before 2005	13	8
“	“	“	2005 or later	14	
“	“	Hire or Reward	Before 2005	15	
“	“	“	2005 or later	16	
“	10 tonnes or over	Own Account	Before 2005	17	9
“	“	“	2005 or later	18	
“	“	Hire or Reward	Before 2005	19	
“	“	“	2005 or later	20	

¹This is the use (viz. **carriage for hire or reward** or **own account carriage**) stated by the declarant when taxing the vehicle.

Appendix B

The NUTS 3¹ Regions of Ireland

NUTS 3 Region	Composition
Border	Counties of Cavan, Donegal, Leitrim, Louth, Monaghan and Sligo.
Midland	Counties of Laois, Longford, Offaly, and Westmeath.
West	Galway City and County, Mayo and Roscommon.
Dublin	Dublin City, Dun Laoghaire-Rathdown, Fingal, and South Dublin.
Mid-East	Counties of Kildare, Meath and Wicklow.
Mid-West	Limerick City and County, Clare and North Tipperary.
South-East	Waterford City and County, Carlow, Kilkenny, South Tipperary and Wexford.
South-West	Cork City and County and County of Kerry.

¹ Level 3 of the Nomenclature of Territorial Units for Statistics (NUTS), for the member states of the European Union.

Appendix C

Structure of the Standard Goods Classification for Transport Statistics (NST/R)

CHAPTER TITLE**Contents**

Agricultural products and live animals

- Live animals
- Cereals
- Potatoes
- Other fresh or frozen fruit and vegetables
- Textile materials and man-made fibres
- Wood and Cork
- Sugar beet
- Other raw animal and vegetable materials

Foodstuffs and animal fodder

- Sugars
- Beverages
- Stimulants and spices
- Perishable foodstuffs
- Other non-perishable foodstuffs and hops
- Animal food and foodstuffs waste
- Oil seeds and oleaginous fruit and fats

Solid mineral fuels

- Coal
- Lignite and peat
- Coke

Petroleum products

- Crude petroleum
- Fuel derivatives
- Gaseous hydrocarbons, liquid or compressed
- Non-fuel derivatives

Ores and metal waste

- Iron ore
- Non-ferrous ores and waste
- Iron and steel waste and blast-furnace dust

Metal products

- Pig-iron and crude steel; ferro-alloys
- Semi-finished rolled steel products
- Bars, sections, wire rod, railway and tramway track construction material of iron or steel
- Steel sheets, plates, hoop and strip
- Tubes, pipes, iron and steel castings and forgings
- Non-ferrous metals

Appendix C (contd.)

Crude and manufactured minerals, building materials

- Sand, gravel, clay and slag
- Salt, iron pyrites, sulphur
- Other stone earths and minerals
- Cement, lime
- Plasters
- Other manufactured building materials

Fertilisers

- Natural fertilisers
- Chemical fertilisers

Chemicals

- Basic chemicals
- Aluminium oxide and hydroxide
- Coal chemicals
- Paper pulp and waste paper
- Other chemical products

Machinery, transport equipment, manufactured articles and miscellaneous articles

- Transport equipment
- Tractors; agricultural machinery and equipment
- Other machinery, apparatus and appliances, engines, parts thereof
- Manufactures of metal
- Glass, glassware, ceramic products
- Leather, textiles and clothing
- Other manufactured articles
- Miscellaneous articles

Mixed loads

- Loads containing goods belonging to different categories

CONFIDENTIAL

Appendix D



Enquiries to:
 Transport Section
 Central Statistics Office
 Skehard Road
 Cork

Phone **021-453 5000**
 or **01-498 4000**
 LoCall 1890 313 414
 Fax **021-453 5299**
 Website www.cso.ie

Official use only	
Coded	
Checked	

Amend if incorrect in any respect

CENTRAL STATISTICS OFFICE


NATIONAL SURVEY OF TRANSPORT OF GOODS BY ROAD

This statutory survey is conducted under the Statistics (Road Freight) Order, 2002 (S.I. No. 465 of 2002). The survey is conducted in compliance with Council Regulation (EC) No. 1172/98. Results from the survey provide valuable information on the scale and development of carriage of goods by road by Irish Registered Goods Vehicles.

The vehicle whose registration number is shown, has been selected for inclusion in the survey for the week beginning **Monday** . Please ensure that a record of **all** journeys made during the survey week is entered on the form. The completed form must be returned in the pre-paid envelope provided **not later than Friday** . **Please read the instruction sheet enclosed to ensure accurate completion of the form.**

The information you provide will be treated as strictly confidential in accordance with Section 33 of the Statistics Act, 1993 and cannot be accessed under the terms of the Freedom of Information Act, 1997. It will be used only for statistical purposes and will not be disclosed to any other Government Department or body.

Notice is served under Section 26 of the Statistics Act, 1993. You are obliged by law to complete and return this form to the Central Statistics Office.


 Gerard O'Hanlon
 Director General

CHANGE OF OWNERSHIP OR VEHICLE SCRAPPED

To be completed if the vehicle has been sold or scrapped and the **form returned immediately.**

If you sold the vehicle

If the vehicle has been scrapped

STATE YEAR SOLD

STATE YEAR SCRAPPED

IF THIS SECTION IS COMPLETED GO TO THE CERTIFICATION ON PAGE 4 OF THE FORM

BUSINESS DETAILS

1. What is the main type of business carried on by the vehicle owner?.....
 (E.g. Wholesaling, farming, haulage, manufacturing, etc.). If a manufacturer specify main product.

Yes

No

2. Is the vehicle used under a National or International Road Freight Carrier's Licence (✓)

3. Is the vehicle used mainly for Carriage of your own goods?

Carriage of other persons/companies goods?

Hire to others?

**PLEASE ✓
 APPROPRIATE
 BOX**

WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY



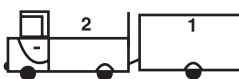


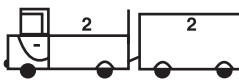


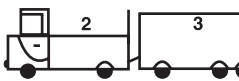






PLEASE SEE OVER 

9

THIS PAGE SHOULD BE COMPLETED UNLESS YOU HAVE SOLD OR SCRAPPED THE VEHICLE

<p>4. CARRYING CAPACITY (i.e. heaviest load possible) OF VEHICLE Kgs</p> <p>5. If the vehicle is used to draw a trailer then give the UNLADEN WEIGHT of the trailer Kgs</p> <p>CARRYING CAPACITY of trailer Kgs</p> <p>6. TYPE OF BODY (please ✓ appropriate box)</p> <p>Tipper <input type="checkbox"/> 1</p> <p>Insulated or refrigerated <input type="checkbox"/> 2</p> <p>Tanker or other bulk carrier <input type="checkbox"/> 3</p> <p>Livestock carrier <input type="checkbox"/> 4</p> <p>Box or Van body <input type="checkbox"/> 5</p> <p>Platform or sided <input type="checkbox"/> 6</p> <p>Other (specify.....) <input type="checkbox"/> 7</p>	<p>7. TYPE OF WORK NORMALLY CARRIED OUT BY VEHICLE (please ✓ appropriate box)</p> <p>Import/export work <input type="checkbox"/> 1 <small>(i.e. international carriage or delivery/ collection in connection with international trade)</small></p> <p>Delivering goods to retail outlets <input type="checkbox"/> 2</p> <p>Delivering goods to households <input type="checkbox"/> 3</p> <p>Delivering goods to wholesalers <input type="checkbox"/> 4</p> <p>Delivery of materials or Fuels to factories <input type="checkbox"/> 5</p> <p>Delivery of goods to road works or building sites <input type="checkbox"/> 6</p> <p>Carriage of livestock <input type="checkbox"/> 7</p> <p>Carriage of other farm produce from farms <input type="checkbox"/> 8</p> <p>Carriage of fertilisers, feeding stuffs etc. to farms <input type="checkbox"/> 9</p> <p>Other work (specify) <input type="checkbox"/> 0</p>
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8. POSITION OF AXLES (please ✓ box which describes the positions of the axles on the vehicle and on the trailer, if a trailer was used during the week)

RIGID	RIGID + TRAILER	ARTICULATED
 OR  <input type="checkbox"/> 11	 <input type="checkbox"/> 26	 <input type="checkbox"/> 31
 <input type="checkbox"/> 12	 <input type="checkbox"/> 21	 <input type="checkbox"/> 32
 <input type="checkbox"/> 13	 <input type="checkbox"/> 22	 <input type="checkbox"/> 33
 <input type="checkbox"/> 14	 <input type="checkbox"/> 23	 <input type="checkbox"/> 34
Other Rigid..... <input type="checkbox"/> 15	 <input type="checkbox"/> 24	 <input type="checkbox"/> 36
	Other Rigid + Trailer..... <input type="checkbox"/> 25	Other Articulated..... <input type="checkbox"/> 35

CERTIFICATION

I hereby declare that the information given in this return is complete and accurate to the best of my knowledge.

Signature	Date
Status	Phone

(Owner, Secretary, etc.)

NATIONAL SURVEY OF TRANSPORT OF GOODS BY ROAD

INSTRUCTIONS FOR COMPLETION OF QUESTIONNAIRE

- **Complete Pages 1 and 4 immediately.** The Questionnaire should accompany the vehicle and details of each journey made by the vehicle during the survey week should be recorded at the end of each day as shown in the examples.
- If the vehicle was leased or rented to another party during the Survey week, please ensure that the details of all journeys made are recorded for entry on the questionnaire.
- The details requested in **questions 4 and 5** on the carrying capacity of Vehicle/Trailer can be obtained from the Vehicle/Trailer Handbook, if not please give your best estimate.
- For all journeys, the **weight of goods carried** (column 5) should be the weight of the load at the **start** of the journey.

Single Delivery/Collection Journey

- See example 1 overleaf

Multiple Delivery/Collection Journey

- See example 2 overleaf

International Journeys

- The distance travelled - (at columns 6 and 7) should **exclude** the distance for which the vehicle was carried by sea on ferries
- The ferry route used should be entered under Origin (column 2)
- The origin and destination (town/city) of the entire journey should be stated. List also all countries crossed in transit under columns 2 and 3
- See **example 3 overleaf** which gives details on how to complete the questionnaire in respect of a journey falling partially within the survey week

Dangerous Goods

Please record if the goods are classified as dangerous by adding to the description of the type of goods one of the following codes:

DG10 - Explosives	DG52 - Organic peroxides
DG20 - Gases	DG61 - Poisonous (toxic) substances
DG30 - Flammable liquid	DG62 - Infectious materials
DG41 - Flammable solids	DG70 - Radioactive materials
DG42 - Substances liable to spontaneous combustion	DG80 - Corrosive materials
DG43 - Substances which catch fire in contact with water	DG90 - Other
DG51 - Oxidising substances	

Demountable Containers or Lift Vans

Full

- State weight of goods carried only (exclude weight of container/lift van)
- Include weight of normal packaging

Empty

- Write 'Empty Container' under type of goods carried (column 4)
- State weight of container/lift van under weight of goods carried (column 5)

