



Road Transportation of Freight Turnover Measures and Practices at the U.S. Census Bureau

21st Meeting of the Voorburg Group

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Definition of the Service

Revenue received for transportation of goods by road

- Market provision of services
 - Employers
 - Non-employers
- Captive provision of services
 - Cost of services
 - Industry being served



2002 Revenue Data

Type	Estabs.	Employment	Revenue
Employers	112,698	1.4 million	\$164 billion
Enterprise	1,360	88,867	\$ 0.5 billion
Non-employers	413,100	N/A	\$ 29 billion
Total	525,798	1.49 million	\$193 billion



Industry Comparison: ISIC, NACE, NAICS United States

ISIC Rev. 4

4923 Freight Transport by Road

NACE Rev. 2

49.41 Freight Transport by Road

49.42 Removal Services

NAICS United States 2007

484110 General Freight Trucking, Local

484121 General Freight Trucking, LD, TL

484122 General Freight Trucking, LD, LTL

484210 Used Household and Office Goods Moving

484220 Specialized Freight Trucking, Local

484230 Specialized Freight Trucking, LD



Census Collection Practices

- Single survey form covers multiple NAICS industries
- Industry assigned by respondent based on kind-of-business (kb) activity inquiries
- Common product list collected across many industries
- Both sections (kb and product) of the survey form are considered
- Resulting data tabulated at 2, 3, 4, 5, and 6 digit levels of NAICS



Additional Details Collected in 2002

42000	Local motor carrier revenue
42010	Long-distance motor carrier revenue
42020	Courier and messenger services, including parcel delivery
42030	Contract warehousing and storage
42040	Public warehousing and storage
42050	Process, physical distribution, and logistics consulting
42060	Packing related to motor carrier and storage activities
42070	Order assembly services related to motor carrier and storage activities
42080	Physical processing/transforming of goods related to motor carrier activities
42090	Other related motor carrier and storage activities
43200	Collection of garbage and trash, excluding hazardous waste
43250	Hazardous waste collection
43650	Repair and maintenance, including parts installed
43750	Sales of other merchandise
49810	All other operating revenue



Significant Other Products

Warehousing and Storage

Provided by road freight \$ 2,114,921,000 (16%)

Sector Total \$13,471,830,000

Packaging services

Provided by road freight \$ 1,142,888,000 (50%)

Sector Total \$ 2,306,338,000



Inquiries for 2007 Products

- Moving and storage (household, office, other)
- Local transport of sold or serviced items
- Bulk liquids and gases (intermodal container, other)
- Dry bulk (intermodal container, other)
- Boxed or palletized goods, not climate controlled (TL, LTL)
- Intermodal containers, climate controlled
- Other commodities (automobiles, livestock, wastes)
- Other goods



Related Products in 2007

- Repositioning services
- Drayage
- Domestic freight arrangement services
- International freight forwarding and customs brokerage services
- Warehousing services
- Rental of transportation equipment without operators
- Van line coordination services
- Logistics and supply chain consulting services
- Other



Comparability of Price and Product Data

- Comparable structure at industry level – the 33 PPI series (by my count) published can be matched to Census data
- Comparable in 2002 at product level but for 2007?



Issues to Consider

- Homogeneity of price trends by commodity
- Price survey coverage compared to Census coverage
- Universe or frame differences
- Separate price indices for significant products not considered primary



Product Turnover Data Method

Proposal for Consideration in Future Turnover Papers

- **Direct collection of data from producing establishments**
 - One time or ad hoc sample survey of producers
 - Annual or other periodic sample survey of producers
 - Census of producers
- **Secondary source of data for producing establishments**
 - Tax or other administrative revenue records
 - Trade association data
 - Other secondary source data for revenues



Questions?

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