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**Operation monitoring indicators and calculation methods for
the road freight market**

道路货运市场运行监测指标与计算方法

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Foreword

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01 State Administration for Market Regulation The State Administration for Standardization issued a statement.

1.Scope This document establishes an indicator system for monitoring the operation of the road freight market, and specifies the connotation of the indicators, calculation methods, and data collection requirements. This document is applicable to the monitoring and analysis of the road freight market.

4 Indicator System

4.1 Selection Principles The following principles should be followed when selecting indicators for monitoring the operation of the road freight market (hereinafter referred to as "indicators").

- a) Leading role. The selected indicators can reflect the operation and development trend of the road freight market;
- b) Timeliness. The selected indicators should reflect industry changes in a timely manner and be regularly assessed and dynamically updated based on the development of the road freight market. Adjust the indicators;
- c) Availability. Relying on industry statistics, stable industry freight platforms or systems, the selected indicators can be collected on time and have continuous stability. Qualitative data;
- d) Quantifiability. The selected indicators have quantifiable calculation methods.

4.2 Indicator Composition The specific indicators for monitoring the operation of the road freight market include 6 primary indicators and 21 secondary indicators, as shown in Table 1.

5.1.1 Number of road freight transport operators

5.1.1.1 Meaning of the Indicator At the end of the statistical period, those holding valid road

transport operation licenses issued by the transportation authorities and engaged in road freight transport... The number of enterprises and individual transportation operators engaged in business activities. The unit is "operator". The number of operators engaged in general freight transport, special transport, large-item transport, and dangerous goods transport should be monitored according to their business scope.

5.1.1.2 Calculation Method The number of road freight transport operators is based on statistics from the transportation industry.

5.1.2 Number of commercial freight trucks

5.1.2.1 Meaning of the Indicator At the end of the statistical period, the total number of trucks, semi-trailer tractors, tractor trucks, and trailers used for commercial freight transportation and in operation. Quantity. Unit. vehicles. The number of commercial freight vehicles should be monitored by vehicle type, and the vehicle type classification should comply with the requirements of GA 802.

5.1.2.2 Calculation Method The number of commercial freight trucks is based on statistics from the transportation industry and data from the road transport administration information system.

Note. This excludes special-purpose vehicles used for highway maintenance, vehicle repair, urban sanitation, public security and fire fighting, geological exploration, and the construction and maintenance of power transmission and distribution lines, as well as vehicles used at airports and ports. Various vehicles used for loading and unloading within the work area and station.

5.1.3 Total rated load capacity of commercial freight vehicles

5.1.3.1 Indicator Meaning At the end of the statistical period, the total approved load capacity of operating freight vehicles shall be the same as that indicated on the vehicle registration certificate.

5.1.3.2 Calculation Method The calculation should be performed according to formula (1).

5.1.4 Freight Volume

5.1.4.1 Meaning of the Indicator The weight of goods transported on roads using vehicles such as automobiles during the statistical period. The unit is tons (t).

5.1.4.2 Calculation Method Freight volume is based on statistics from the transportation industry.

5.1.5 Cargo Turnover

5.1.5.1 Meaning of the Indicator During the statistical period, the sum of the products of the

weight of each batch of goods transported on roads using vehicles such as automobiles and the corresponding transport distance.

5.2.1 Vehicle attendance ratio

5.2.1.1 Meaning of the Indicator The ratio of the number of commercial freight vehicles engaged in freight transportation operations to the total number of commercial freight vehicles during the statistical period.

5.2.1.2 Calculation Method The calculation should be performed according to formulas (3) and (4).

5.2.2 Total rated load capacity of vehicles on duty

5.2.2.1 Meaning of the Indicator At the end of the statistical period, the total approved load capacity of all vehicles on duty is calculated, with the approved load capacity as indicated on the vehicle registration certificate.

5.2.3 Average daily mileage

5.2.3.1 Indicator Definition The average daily mileage of vehicles on duty during the statistical period.

5.2.4 Average daily driving time

5.2.4.1 Indicator Meaning The average daily driving time of vehicles on duty during the statistical period.

5.3.1 Price for full truckload transportation of general cargo

5.3.1.1 Indicator Meaning The average freight rate for full truckload transportation of general cargo on each selected route during the statistical period.

5.3.1.2 Calculation Method The average price of full truckload transportation of general cargo on a certain route -

--- $P(z)_b$ should be calculated according to the provisions of JT/T 1425. The average price of general cargo transportation in a certain region, $P(z)_g$, should be calculated according to formula (8). The average price of full truckload transportation of general cargo in multiple regions - -

--- $P(z)_G$ should be calculated according to formula (9). The weight ω should be selected based on the cargo cycle. The conversion rate is used as the basis for calculation.

5.3.2 Container Freight Transportation Prices

5.3.2.1 Indicator Meaning The average freight rate for container transport vehicles on each