



Philippine National Standard on Road Freight Transport PNS 2135:2018

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Republic Act 4109 – Standardization Law of the Philippines 1964

- BPS as the National Standards Body of the Philippines
- To develop, promulgate, implement and coordinate standardization activities in the Philippines

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Philippine National Standard on Road Freight Transport (PNS 2135:2018)

- gives guidelines and recommendations to fleet operators and/or freight forwarders for reliable, safe, cost-efficient and environmentally sustainable road freight transport;
- aims to enhance overall operations in the road freight transport.

SCOPE

- applicable to all types of fleet operators and/or freight forwarders regardless of their size, type and activities;
- does not cover services related to the movement of people.

FOUR PRINCIPLES

- Safety
- Reliability
- Cost-efficiency
- Environmentally sustainable

COMPLIANCE to REGULATIONS

- Business entity shall **comply with all relevant national and local regulations**, and have access to current and emerging legal and other requirements, to which the business entity subscribes, which are applicable to its activities and services.

MAJOR TOPICS/SALIENT FEATURES

- Organizational Management
- Personnel Management
- Fleet Management
- Transport Operation
- Performance Measurement and Evaluation

ORGANIZATIONAL MANAGEMENT

1. Top Management
2. Roles and Responsibilities
3. Policy
4. Communication Awareness



ORGANIZATIONAL MANAGEMENT

1. Top Management

demonstrate leadership and commitment by:

- a) taking accountability;
- b) establishing road freight transportation management objectives and initiatives;
- c) ensuring the integration of safety, reliability, cost-effectiveness and environmentally sustainable business entity;
- d) ensuring that the resources needed are available;
- e) ensuring that the plan of activities, timescale and roles are understood by everyone through good internal communication channels;
- f) establishing collaboration with stakeholders in order to gain insight and understanding of customers' needs and how improvements can be made;
- g) engaging, directing and supporting persons to achieve desired results; and
- h) promoting continual improvement.

ORGANIZATIONAL MANAGEMENT

2. Roles and Responsibilities

Top management - ensure that the responsibilities and authorities for relevant roles are assigned, communicated and understood within the business entity

The responsibility shall be assigned to a person or entity to coordinate and report to top management or superior the issues on four (4) principles on the transportation performance.

ORGANIZATIONAL MANAGEMENT

3. Policy

- Policy Formulation
- Policy Dissemination
- Identifying and Engaging Stakeholders
- Data Management
- Support and Resources

4. Communication Awareness

determine the internal and external communications strategy relevant to objectives and initiatives

PERSONNEL MANAGEMENT

1. Administrative Requirements
2. Qualifications and Competency Requirements for Personnel
3. Support to personnel
4. Benefits and Incentive

PERSONNEL MANAGEMENT

1. *Administrative Requirements*

- ensure that personnel meet the **minimum qualification** requirements set by the companies for each position supported by relevant documents;
- hired drivers shall have **valid license**;
- require all personnel to provide **government clearances**, medical certificate and undergo mandatory drug testing;
- require all personnel **be identified** through a company ID and/or uniform or shirt with company logo.

PERSONNEL MANAGEMENT

2. Qualifications and Competency Requirements for Personnel

- determine the necessary competence of the personnel;
- ensure that the personnel are competent and technically equipped on the basis of appropriate education, training and work experience;
- take actions to acquire the necessary competence, and evaluate the effectiveness of the actions taken; and
- retain appropriate documented information as evidence of competence

PERSONNEL MANAGEMENT

3. Support to personnel

- have procedures to manage both drivers' hours and total working time for all;
- drivers should also be provided with emergency contact number and GPS tracking device

PERSONNEL MANAGEMENT

4. Benefits and Incentive

- ensure benefits to personnel in accordance with the statutory requirements;
- performance incentives and rewards may be awarded to personnel.

FLEET MANAGEMENT

- 1) Maximum Allowable Load
- 2) Safe Loading
- 3) Load Optimization
- 4) Vehicle Maintenance and Inspection
- 5) Security and Safety Measures
- 6) Vehicle Replacement



FLEET MANAGEMENT

1) *Maximum Allowable Load*

Ensure that vehicles shall conform with the existing rules and regulation in regard to the maximum allowable load of vehicles.

FLEET MANAGEMENT

2) *Safe Loading*

- a) carrying out risk assessment of the type of load carried by each vehicle (dimensions, weight and movement);
- b) ensuring that the vehicles be equipped with in-cab height indicator or warning notice to alert drivers and/or workers when the vehicle loads exceed 3 m in height;
- c) providing proper equipment to secure goods during transport;
- d) enforcing vehicle loading practices through personnel training via a regularly reviewed policy so that loads can be carried safely; and
- e) choosing the right type of vehicle to be used.

FLEET MANAGEMENT

2) *Safe Loading*

shall have a safe and efficient system of loading/unloading of cargo to address the provisions in c) and d), such as palletizing (if applicable) and use of appropriate material handling equipment.

FLEET MANAGEMENT

3) *Load Optimization*

a) establish a system to ensure that vehicles leaving from any point of origin are loaded optimally, and that pallets and containers are holding the maximum amount of goods while adhering to specific requirements on product placement within the vehicle and overall weight; and

b) ensure that the load is arranged in a manner that the aerodynamic drag is kept to a minimum.

FLEET MANAGEMENT

4) *Vehicle Maintenance and Inspection*

- a) keep the vehicle in good condition through proper vehicle maintenance schedules or vehicle replacement in order to prevent breakdown or minimize downtime;

- b) have an inspection and preventive maintenance programs that shall be led and implemented by competent personnel or outsourced to accredited service and repair enterprises;

FLEET MANAGEMENT

4) *Vehicle Maintenance and Inspection*

c) put in place a process to streamline fleet management, which may include in-house or outsourced maintenance;

d) Upon completion of preventive maintenance, all vehicles should be tested in accordance with relevant regulation;

e) ensure that in-house or outsourced maintenance adheres to the environmental regulations for the storage, labelling, transportation and disposal of hazardous waste, wherever applicable.

FLEET MANAGEMENT

5) *Security and Safety Measures*

- establish a tracking and documentation system for proper control and supervision;
- provide security and safety trainings, and Personal Protective Equipment (PPE);
- look into areas such as driver recruitment, driver's training and accident analysis that have direct economic impact to the business entity; and
- have its own parking lot that can accommodate its entire fleet and have a system of ingress and egress to prevent traffic build-up/obstruction of thoroughfares.

FLEET MANAGEMENT

6) *Vehicle Replacement*

have procedures on vehicle replacement or disposal based on existing rules and regulations. In addition, the business entity shall consider the following reasons for vehicle replacement or disposal:

- as a result of extensive unreparable damage, or cost-prohibitive repairs;
- when the vehicle attains the stipulated mileage or years for disposal;
- when the vehicle is no longer economical to operate;
- when the vehicle is no longer required;
- when there is a program to downscale or shut down; or
- when the vehicle does not conform with government rules and regulations.

TRANSPORT OPERATION

- 1) Transportation planning, optimization and monitoring
- 2) Occupational Health and Safety
- 3) Collaboration and Consolidation
- 4) Modes of Transport

TRANSPORT OPERATION

- 1) ***Transportation planning, optimization and monitoring***
 - Optimize route identification, scheduling and tracking system
 - Maximize payload
 - Use appropriate vehicle specification
 - Establish risk control plan
 - Review and update contingency plan

TRANSPORT OPERATION

2) *Occupational Health and Safety*

The business entity shall conform to existing regulations for occupational health and safety for its employees.

TRANSPORT OPERATION

3) *Collaboration and Consolidation*

The business entity shall endeavor to work towards enhancing multi-stop delivery capabilities, coordinated and consolidated delivery and an integrated network to minimize total vehicle trips.

- Reduce empty backload
- Centralized transportation

TRANSPORT OPERATION

4) *Modes of Transport*

The business entities shall consider various modes of transportation combining the best of various modes of transport by switching to safe, energy saving, cost efficient system the greener option, e.g. air and road to rail and water to improve the overall performance.

PERFORMANCE MEASUREMENT and EVALUATION

SAFETY INDICATORS	RELIABILITY INDICATORS
Damage Rate	Damage Rate
Pilferage	Pilferage
No. of Breakdowns	Delivery In Full & On Time (DIFOT)
Incidents	Customer Complaint Rate
Apprehensions	
COST EFFICIENCY INDICATORS	ENVIRONMENTALLY SUSTAINABLE INDICATORS
Forecast Accuracy	CO2 emission
Cash Conversion Cycle (CCC)	Fuel Consumption
Utilization Rates	Energy Consumption in Non-transport Operation
Number of Vehicles per Fuel Type	
Empty Kilometers (load factor)	

WAY FORWARD

1. Promotion and Implementation of PNS 2135:2018
2. Development of Standard on Sea Freight Transport through BPS/TC 84/WG 1 (Working Group on Sea Freight)

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