

Truckload Shipping

Green Purchasing Network (GPN)

1. Scope

These guidelines cover important environmental issues that should be considered when governments and businesses as a shipper contract to truckload shipping.

2. Guidelines

In contracting with a freight carrier for truckload shipping, the following articles should be considered to reduce environmental impacts.

- (1) A shipper should be responsible for their environmental measures in truckload shipping as well as whole supply chain and take measures involving clients such as logistics.
- (2) A shipper should select a freight carrier that has received a third-party evaluation in environmental management, safe driving, and environmental measures, considering reliability and transparency of the freight carrier.

3. How to Use Guidelines and Eco-products Database

- To determine a shipper's own environmental measures
A shipper should use "Environmental Measurement Checklist for Shippers" to determine measures for reducing its own environmental impacts.
- To compare and select freight carriers
 - (1) Eco-products database is an environmental information database that discloses the measures of freight carriers based on the green purchasing guideline. A shipper should check the database and select the best contractor.
 - (2) A shipper should ask freight carriers to fill out "GPN Assessment Checklist for Freight Carriers" and then refer to the results.
A freight carrier can use the checklist for self-evaluation and improvements to its environment measures.

* These guidelines are subject to change in accordance with new findings and changes in social conditions.

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By Green Purchasing Network (GPN)

Environmental Implementation Status Checklist for Shippers

This checklist shall be used for application to GPN logo for shipping.

Shippers shall consider following articles to reduce environmental impacts.

1. Environmental Management System	
<input type="checkbox"/>	1. A shipper has developed its own environmental policies.
<input type="checkbox"/>	2. A shipper has set environmental goals and intend to develop, implement and aim for continuous improvement of its environmental management system.
<input type="checkbox"/>	3. A shipper has defined the scope of its transportation activities, developed a work plan, determined the volume of CO ₂ emission, and report and review those activities regularly.
<input type="checkbox"/>	4. A shipper has appointed a person in charge to promote environmental measures in carriage.
<input type="checkbox"/>	5. A shipper has provided in-house training program about environmental consideration in carriage.
2. Transportation Methods	
<input type="checkbox"/>	6. A shipper has promoted the use of railway and vessels as well as secure railroad containers.
<input type="checkbox"/>	7. A shipper considers measures to maintain or enhance shipping efficiency (e.g. use of 31 feet containers and high cube containers, review of stacking method, etc.).
<input type="checkbox"/>	8. A shipper utilizes advanced freight services such as third-party logistics (3PL).
3. Enhancement of Shipping Efficiency	
<input type="checkbox"/>	9. A shipper asks choose indirect or direct shipment and adjust shipping routes depending on destination and shipping volume, and ask freight carriers to reduce total shipping distance.
<input type="checkbox"/>	10. A shipper shall intend to plan and standardize shipping orders to scale-up transport unit, reduce delivery frequency, and review lead time as well as just-in-time service (time-zone delivery).
<input type="checkbox"/>	11. A shipper shall ask freight carriers to adjust truck type, loading capacity, and the number of vehicles and ask them to use consolidated cargo.
<input type="checkbox"/>	12. A shipper shall make the rule of order-receiving and delivery time as well as delivery method, and intend to implement scheduled delivery in order to avoid emergency delivery. For example, a shipper shall cooperate with freight carriers in shipping to avoid delivery in rush hours and low carry efficiency days.
<input type="checkbox"/>	13. A shipper shall implement cooperative transportation.
<input type="checkbox"/>	14. A shipper shall promote modal shift from private to commercial trucks for its own

	vehicles when possible.
<input type="checkbox"/>	15 [About private truck] A shipper shall develop policies and plans for the use of private trucks, adjust truck type, loading capacity, and the number of vehicles, determine energy consumption, and use the policies, plans, and data toward improvement.
Operation and Maintenance of Distribution Bases	
<input type="checkbox"/>	16. A shipper shall enhance proper allocation and intensification of cargo facilities in distribution bases, maintenance of the distribution bases considering the efficiency of load delivery and sorting, and computerization of the facilities.
<input type="checkbox"/>	17. A shipper shall coordinate and maintain freight handling areas, parking areas, drivers' lounges, and entrance and exit lanes to discourage street parking and smoothen traffic flow in cooperation with relevant businesses and local governments.
Implementation of Computerization and Standardization	
<input type="checkbox"/>	18. A shipper shall use networking technologies such as electronic data interchange standard, consolidated labels for shipping and receiving freight, and radio-frequency identification device in order to simplify inception, cargo handling, and storage.
<input type="checkbox"/>	19. A shipper shall use freight/vehicle demand system to secure return cargos.
<input type="checkbox"/>	20. A shipper shall enhance load efficiency by transportation management system and choose efficient shipping routes.
<input type="checkbox"/>	21. A shipper shall use the vehicle information and communication system (VICS) and improve safety through smooth transportation, reduction of shipping time, and precise assessment of situation.
4. Increase of Low-emission Vehicles and Fuel-efficient Vehicles	
<input type="checkbox"/>	22. A shipper shall intend to use low-emission vehicles and fuel-efficient vehicles ¹ in cooperation with freight carriers.
<input type="checkbox"/>	23. A shipper shall intend to introduce devices such as storage heater and regenerative air cooler to improve fuel mileage and to stop idling in cooperation with freight carriers.
Promotion of Eco-driving	
<input type="checkbox"/>	24. A shipper shall consider promotion of eco-driving and efficient logistics and intend to improve implementation of them through regular assessment.
<input type="checkbox"/>	25. A shipper shall ask freight carriers if they provide a guidebook and training programmes for drivers to promote eco-driving and inquire about their implementation status of vehicle inspection and maintenance.
<input type="checkbox"/>	26. A shipper shall inquire of freight carriers about their implementation status of

¹ Low-emission vehicles and fuel-efficient vehicles include natural gas vehicles (CNG vehicles), hybrid vehicles, electric vehicles, and vehicles that meet Post New Long-term standards.

	devices for promoting eco-driving such as digital tachograph.
<input type="checkbox"/>	27. A shipper shall request data from freight carriers to accurately understand about their actual status of energy consumption and implementation results.
Use of Environmentally Friendly Shipping Materials (Pallets and Packaging Materials)	
<input type="checkbox"/>	28. A shipper shall use environmentally friendly materials for pallets and packaging that contribute to facility of recycling and reduce waste from shipping suppliers.
<input type="checkbox"/>	29. A shipper shall use rental pallets or reuse own pallets through recovering and recycling processes.
<input type="checkbox"/>	30. A shipper shall develop recycling system for used pallets and implement intermodal palletization by unifying the size of pallets used in factories, warehouses, and trucks to improve shipping efficiency.
Environmentally Friendly Product Development	
<input type="checkbox"/>	31. A shipper shall purchase parts as many as possible from factories in neighboring areas to reduce the shipping distance.
<input type="checkbox"/>	32. A shipper shall design products considering logistics unit and develop production system that adjusts to shipment.
<input type="checkbox"/>	33. A shipper shall facilitate consolidated shipment by standardizing type of packing.
<input type="checkbox"/>	34. A shipper shall intend to reduce and downsize products and packaging materials considering shipping efficiency.
<input type="checkbox"/>	35. A shipper shall develop products considering reverse logistics system including waste after use and recyclable materials.
<input type="checkbox"/>	36. A shipper shall have production system with adjustable dispatching schedule considering shipment.
<input type="checkbox"/>	37. A shipper shall, in case of trouble in production process, intend to inform freight carriers immediately for smooth shipment.
<input type="checkbox"/>	38. A shipper shall bring transparency to condition of returning the shipment with documents in order to reduce reverse logistics.
8. Cooperation with Freight Carriers	
39. A shipper shall choose a freight carrier (actual forwarding business operator) whose services are posted on “Eco-products Net” for a relevant shipping contract when the shipper makes a shipping contract with either such freight carriers or consigned freight forwarding business operators.	
* A business operator whose services are posted on “Eco-products Net” indicates that the operator has been assessed by any of third parties about its environmental management, safety, and environmental conservation.	
<p>■ A list of actual forwarding business operators and consigned freight forwarding</p>	

business operators under a shipping contract

Please submit a list of contractors as an appendix when a shipper makes a contract with more than three business operators.

- 1.
- 2.
- 3.

- A shipper is a member of Green Purchasing Network (GPN).
- A shipper is implementing above activities in all facilities.
- A shipper is implementing above activities in some offices and factories.

A list of offices and factories that implement above activities.

I hereby certify that the information mentioned above are true and correct and attach an application for use of GPN logo for shipping.

Name _____ Signature _____

Date: (yyyy/mm/dd)

Name of a shipper: _____

Department in charge: _____

Contact person's name:

Title:

Phone #:

Fax #:

E-mail address:

This checklist shall be submitted with the application for use of GPN logo for shipping. The submitted information shall be posted on the GPN website when the shipper get permission to use the logo.