

# Shanghai Highwoods Ship Co., Ltd.

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## Regulations on the administration of shore power supply for ships



Article 1. The regulations are formulated in accordance with the provisions of the Port Law of the people's Republic of China, the law of the people's Republic of China on the prevention and control of air pollution and other laws and regulations in order to reduce the emission of air pollutants during the period of ship berthing and ensure the safe and standardized use of shore power.

Article 2. Shore power construction, supply and related activities shall meet the requirement of the regulations.

Article 3 Ministry of transport shall be in charge of the construction and use of shore power throughout the country.

Port authorities under the local people's governments at or above the county level shall, in accordance with their duties, be responsible for the supervision and administration of the installation of the ship's power receiving facilities, the construction of the quay's shore power facilities and the provision of shore power services to the ships approaching the port.

MSA at all levels shall, in accordance with their duties, be responsible for the supervision and administration of the installation of the ship's power receiving facilities.

Article 4 the local ports authorities at all levels shall actively strive for the local people's governments to issue policies to support the renovation of Quay and shore power facilities and the installation of ship's power receiving facilities, and encourage ships to use shore power in the port.

Article 5 Wharf project (the newly built, rebuilt and expanded wharf projects) (excluding oil and Gas Chemical Wharf) design shall, in accordance with the requirements of laws, rules and regulations and compulsory standards, be simultaneous with construct shore power facilities.

Article 6 the port operator shall, in accordance with laws and regulations, compulsory standards and relevant regulations of the state, gradually rebuild the shore power facilities of the existing wharves (excluding oil and gas chemical wharves).

Article 7 the power supply capacity of the quay shore power facilities shall meet the power demand of the berthing ships.

Article 8 in order to ensure the safety usage of shore power by ships approaching the port, the port operator shall, before putting the shore power facilities into use, organize the inspection of shore power facilities in accordance with the relevant mandatory standards, among which, before putting the high-voltage shore power facilities into use, the inspection shall be conducted by a professional organization with corresponding capabilities.

# Shanghai Highwoods Ship Co., Ltd.

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Article 9. The power reception facilities on board of Chinese flag ships shall meet the requirement of ship technical specification, shall pass the inspection by ship classification.

Article 10 Chinese flag ship berthing in the air pollution emission control area needs to meet the requirements of air pollution emission and install the ship's power receiving facilities, the corresponding waterway transport operators shall formulate the installation plan of the ship's power receiving facilities and organize the implementation.

Article 11 vessels (except tankers) with power receiving facilities shall use shore power if they have berthed for more than 3 hours in coastal ports and for more than 2 hours in inland ports, and no effective alternative measures have been used; in case of temporary failure of vessels or quay shore power facilities, or severe weather, accidents, shore power cannot be used.

If the berthing time of a ship is less than the time specified in the preceding paragraph, the use of shore power shall be encouraged.

Article 12 the shore power consumption of a ship shall not be included in the statistical scope of port energy consumption.

Article 13 the port operator and [shore power supply enterprise](#) shall share the main technical parameters and other information of the shore power facilities of the wharf, open to the public through websites and other channels, and submit them to the local port authority.

The local port authorities shall summarize the information of all the terminals and shore power facilities under its jurisdiction, open to the public through websites and other channels, notify MSA.

Article 14 before ship berthing, [shore power supply enterprise](#) shall provide the ship operator with information on the equipment of the ship's power receiving facilities and the main technical parameters, etc.

Article 15 Where shore power should be used in accordance with the provisions of Article 11, the port authority shall indicate the ships to berth at terminals with corresponding shore power supply capacity, and encourage other ships with power receiving facilities to berth at the berths with shore power supply facilities.

Article 16 Ships using shore power, port operators shall be encouraged to give priority to berthing, reduction or exemption of service charges for shore power, priority of passing through the gates or priority of passing, etc.

Article 17 shore power supply enterprises and waterway transport operators shall establish and improve the management, use, maintenance system and operation procedures of shore power facilities and ship power receiving facilities at the wharf, shall repair the faults in time.

Article 18 the [shore power supply enterprises](#) and ships shall truthfully record the use of shore power equipment and facilities and keep them for at least 2 years. The records mainly include

# Shanghai Highwoods Ship Co., Ltd.

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berth name, ship name, berthing and departure time, starting and ending time of shore power use, power consumption, etc. In case of failure of shore power facilities or ship power receiving facilities at the wharf, the failure time, failure condition and repair time shall also be recorded.

The [shore power supply enterprise](#) shall, in accordance with the relevant provisions, report the shore power supply information to the local port authority. The ship shall, in accordance with the requirements for the collection and management of energy consumption data of the ship, report the use of shore power to MSA and keep the records of the use of shore power on board for future reference.

Article 19 port operators, [shore power supply enterprises](#) and ships shall formulate emergency response plans for incidents, make emergency handling procedures for various incidents during the use of shore power, conduct regular drills and revise them in due time.

Article 20 Shore power supply enterprises and waterway transport operators shall get operators trained with operation skills, equipment use, operation procedures, safety protection and emergency response.

Article 21 port operators, shore power supply enterprises and waterway transport operators shall clearly clarify the safety responsibilities of shore power use of each party. Port operators, shore power supply enterprises and waterway transport operators are encouraged to purchase shore power safety liability insurance.

Article 22 the construction and inspection of Quay shore power facilities, port operators and shore power supply enterprises providing shore power to ships approaching the port, installation of ship power receiving facilities by waterway transport operators shall be supervised and inspected by the municipal and county transportation (port) competent departments.

By means of documents check, MSA may check whether the ship's power receiving facilities meet the requirements of these measures and the technical rules for the statutory inspection of ships, and the use of shore power by ships, etc.

The port authority and MSA shall formulate relevant supervision and inspection systems, and exchange information in regular basis.

Article 23 If a project unit of a new, rebuilt or expanded port project or a port operator of a built wharf violates Articles 5 and 6, or a port operator violates the provisions of Article 15, the local transportation (port) authority shall order it to make corrections within a time limit.

Article 24 If a domestic navigation vessel fails to install the power receiving facilities in accordance with the provisions of Article 10, MSA shall notify the competent department of transport in the place where the waterway transport operator is registered; if an international navigation vessel fails to install the power receiving facilities in accordance with the provisions of article 10, MSA shall report to the Ministry of transport on a regular basis after summarizing.

# Shanghai Highwoods Ship Co., Ltd.

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Article 25 Where a ship violates the provisions of the first paragraph of Article 11 of these measures, the maritime administrative agency shall order it to make corrections within a time limit.

Article 26 Where a waterway transport operator fails to formulate relevant systems and emergency response plans in accordance with the provisions of Articles 17 and 19, the competent department of transport in the place of registration shall order it to make corrections within a time limit.

Article 27 If shore power supply enterprises and ships fail to establish relevant systems or emergency response plans, record or submit shore power supply information and provide shore power services in accordance with Articles 17, 18, 19 and 20, or the shore power facilities fail to be used normally for more than three months due to the failure of the shore power facilities and the failure of the timely maintenance, the local transportation (port) competent department and MSA shall order it to make corrections within a time limit.

Article 28 If a ship fails to report the use of shore power in accordance with the provisions of the second paragraph of Article 18, MSA shall order it to make corrections within a time limit.

Article 29 the quality, safety, supply and use, and price of shore power supply shall conform to the laws and regulations on power and price, as well as the compulsory standards and technical specifications in the field of power.

Article 30 the term "ship power receiving facilities" as mentioned in these Measures refers to the ship borne devices of the ship shore power system.

[Shore power supply enterprise](#) refers to the organization or unit that provides shore power services for ships approaching the port, and can be the port operator or the third party entrusted by the port operator.

Effective alternative measures refer to the use of new energy such as electric energy, LNG and clean energy as power or other equivalent measures such as shutting down auxiliary machinery during the period of ship's berthing.

Shore power facilities refer to the whole equipment and devices that supply electric energy from shore power system to ships docking at the wharf, mainly including switch cabinet, shore power supply, power connection device, cable management device, etc.

Article 31 The use of shore power by executive ships and work boats shall be implemented with reference to the regulations.

Article 32 the regulations shall not apply to military vessels, fishing boats and sports vessels.

Article 33 The regulations shall come into force on February 1, 2020.