



RULES
R013CN01-2025

CHINA CLASSIFICATION SOCIETY

RULES FOR GREEN-ECO SHIPS

CCS RULE CHANGE NOTICE

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CHAPTER 1 GENERAL

1.3 Class notations for green-eco ships

1.3.3 Notations of sub-elements of environmental protection for green-eco ships

Notation “X” of Sub-elements of Environmental Protection for Green-eco Ships Table 1.3.3.1

Notation of sub-elements of environmental protection		Sea-going ships engaged on international voyages	Sea-going ships engaged on domestic voyages
Control of discharge of Water pollutants	Control of discharge of oil pollutant	OILx, EAL, IBTS	OILx, EAL, IBTS
	Control of discharge of noxious liquid substances	NLSx	NLSx
	Control of discharge of sewage water	SC, <u>SC+</u>	SC, <u>SC+</u>
	Control of discharge of grey water	GWC	GWC
	Control of discharge of garbage	RC	RC
Air pollutant emission control	NOx emission control	NECx	NECx
	SOx/PM emission control	SEC	SEC
	VOC emission control	VCS, VCS-T	VCS, VCS-T
	Ozone-depleting substance emission control	RSCx	RSCx
	Emission control of shipboard incineration.	INC	INC
	Black carbon emission control	BC20, BC70	Not applicable
	Emission control of diesel engine exhaust pollutant	Not applicable	GBEC
Control of use of harmful material	Control of harmful anti-fouling system	AFS, AFS+	AFS, AFS+
	Control of harmful substances	GPR/GPR+, GPR (EU) /GPR (EU) +	GPR

Part I REQUIREMENTS FOR SEA-GOING SHIPS ENGAGED ON INTERNATIONAL VOYAGES

CHAPTER 2 REQUIREMENTS FOR ECOLOGICAL PROTECTION

2.5 Environmental friendliness

2.5.2 Compartment noise

2.5.2.3 Technical requirements for assignment of the notation of sub-element of comfort onboard (noise) are as follows:

(6) The maximum allowable noise levels and the comfort grades for crew cabins and public spaces are given in Table 2.5.2.3(3).

Crew Cabins and Public Spaces – Maximum Allowable Noise Levels in dB(A) Table 2.5.2.3(3)

Location	<u><10000GT</u>			<u>≥10000GT</u>		
	<u>Comfort grade (noise) (x)</u>			Comfort grade (noise) (x)		
	<u>1</u>	<u>2</u>	<u>3</u>	1	2	3
Sleeping cabins	<u>60</u>	<u>55</u>	<u>50</u>	55	52	49
Hospital	<u>60</u>	<u>57</u>	<u>55</u>	55	52	49
Conference rooms, offices, mess rooms	<u>65</u>	<u>63</u>	<u>60</u>	60	57	55
Crew public spaces	<u>65</u>	<u>63</u>	<u>60</u>	65	60	57
Galleys, changing rooms, laundries, bathrooms	<u>75</u>	<u>73</u>	<u>70</u>	75	73	70
Open deck recreation areas ^①	<u>75</u>	<u>73</u>	<u>70</u>	75	73	70

CHAPTER 3 REQUIREMENTS FOR ENVIRONMENTAL PROTECTION

3.1 General requirements

3.1.3 Class notations related to environmental protection of green-eco ships are as follows:

(2) Notations of sub-element of control of discharge of water pollutants include the following:

SC/SC+: means notation of sub-element of control of discharge of sewage;

3.3 Control of discharge of water pollutants

3.3.3 Control of discharge of sewage

3.3.3.1 The SC sub-element notation may be assigned to ships complying with the following applicable requirements:

(1) The ship is to be provided with a sewage treatment plant. The sewage effluent after treatment by the sewage treatment plant is to meet effluent standards given in 4.1 of the annex to resolution MEPC.227(64).

(2) The vent piping of sewage treatment plant and/or sewage holding tank (if any) is to be independent from other vent piping. The vent piping may share the ventilation main pipe with the vent piping of grey water treatment system and grey water holding tank (if any).

(3) The ship is to keep on board a sewage management plan, which is to be approved by CCS. Such plan is to provide guidance to the crew on management of sewage treatment and discharge of sewage. The sewage management plan is at least to include the following:

① ship name and identification number;

② sketch of sewage treatment plant, holding tanks of sewage and all relevant piping arrangement;

③ management and operational procedures of sewage;

④ means and method of recording all sewage discharges to shore reception facilities or to the sea. The recorded data is to include the date, place and quantity of such discharges. For discharges from the sewage treatment plant, the time of activating and stopping the system is to be recorded in lieu of the quantity discharged. The discharge of untreated sewage in emergency is also to be recorded.

3.3.3.2 The SC+ sub-element notation may be assigned to ships complying with the following applicable requirements:

(1) The ship is to be provided with a sewage treatment plant. ~~The sewage is discharged after treatment.~~ The ~~treated~~ sewage effluent after treatment by the sewage treatment plant is to meet effluent standards given in 4.2 of the annex to resolution MEPC.227(64).

(2) As an alternative to (1) above, the sewage from the ship is not discharged into the sea but to the reception facilities. The ship is to be provided with sewage holding tank of sufficient capacity and pipelines

discharging the sewage to the reception facilities. The holding tank is to have the capacity for the retention of all sewage, having regard to the operation of the ship, the number of persons on board and other relevant factors^①. The holding tank is to have a means to indicate visually the amount of its contents, which may be a liquid level meter, observation port, manual or automatic liquid level measuring device.

(3) The vent piping of sewage treatment plant and/or sewage holding tank is to be independent from other vent piping. The vent piping may share the ventilation main pipe with the vent piping of grey water treatment system and grey water holding tank (if any).

(4) The ship is to keep on board a sewage management plan, which is to be approved by CCS. Such plan is to provide guidance to the crew on management of sewage treatment and discharge of sewage. The sewage management plan is at least to include the following:

- ① ship name and identification number;
- ② sketch of sewage treatment plant, holding tanks of sewage and all relevant piping arrangement;
- ③ management and operational procedures of sewage;
- ④ means and method of recording all sewage discharges to shore reception facilities or to the sea. The recorded data is to include the date, place and quantity of such discharges. For discharges from the sewage treatment plant, the time of activating and stopping the system is to be recorded in lieu of the quantity discharged. The discharge of untreated sewage in emergency is also to be recorded

3.6 Survey requirements

3.6.1 Product inspection

3.6.1.4 For the sewage treatment plant complying with SC or SC+ sub-element notation for control of sewage discharge mentioned in 3.3.3.1 or 3.3.3.2 of the Rules, compliance with the requirements given in 4.1 or 4.2 of the Annex to MEPC.227(64) is to be indicated in product type approval certificate and product certificate, and relevant requirements of GB3552-2018 may also be indicated.

3.6.2 Survey of class notation of environment protection of ship

3.6.2.1 Initial classification

(2) Initial classification survey is to include:

- ② In order to assign G-EP (X) class notation, in addition to survey mentioned in 3.6.2.1(2)① of this Chapter, the required survey aiming at following detailed X sub-element is to be completed to verify compliance of corresponding technical requirements:

e. SC/SC+: requirements of 3.3.3.1 or 3.3.3.2, Chapter 3 of the Rules;

^① When the other clear documents are not provided, the capacity of the holding tank is to be calculated with the following methods: 1) when the voyage time of the ship from the departing port to the discharge area required by the port Administration exceeds 24 h, 70 L for per person for one day and night is to be taken; 2) when the voyage time is between 8 h to 24 h, 35 L for per person for one day and night is to be taken; 3) when the voyage time is between 4 h to 8 h, 18 L for per person for one day and night is to be taken; 4) when the voyage time is between 1 h to 4 h, 9 L for per person for one day and night is to be taken; 5) when the voyage time is less than 1 h, 6 L for per person for one day and night is to be taken. 6) If the ship is fitted with the toilets of the vacuum type, the above values of the different voyage times may be reduced by half.

CHAPTER 5 REQUIREMENTS FOR ENVIRONMENTAL PROTECTION

5.1 General requirements

5.1.3 Class notations related to environmental protection of green-eco ships are as follows:

(2) Notations of sub-element of control of discharge of water pollutants include the following:

SC/SC+: means notation of sub-element of control of discharge of sewage;

5.3 Control of discharge of water pollutants

5.3.3 Control of discharge of sewage

5.3.3.1 The SC sub-element notation may be assigned to ships complying with applicable requirements of 3.3.3.1 of the Rules as well as the following requirements:

(1) When sewage is discharged after being treated by the sewage treatment plant within 3 nautical miles from the nearest land, the ship is to be on the voyage.

(2) The requirement of (1) above is to be described in the sewage management plan.

5.3.3.2 The SC+ sub-element notation may be assigned to ships complying with applicable requirements of 3.3.3.2 of the Rules as well as the following requirements:

(1) When sewage is discharged after being treated by the sewage treatment plant within 3 nautical miles from the nearest land, the ship is to be on the voyage.

(2) The requirement of (1) above is to be described in the sewage management plan.

5.6 Survey requirements

5.6.1 Product inspection

5.6.1.4 For the sewage treatment plant complying with SC or SC+ sub-element notation for control of sewage mentioned in 3.3.3.1 or 3.3.3.2 of the Rules, the product performance is to meet the requirements of 5.3.3.1 or 5.3.3.2 of the Rules, and compliance with the requirements given in 4.1 or 4.2 of the Annex to MEPC.227(64) is to be indicated in product type approval certificate and product certificate, and relevant requirements of GB3552-2018 may also be indicated.

5.6.2 Survey of class notation of environment protection of ship

5.6.2.1 Initial classification

(2) Initial classification survey is to include:

- ② In order to assign G-EP (X) class notation, in addition to survey mentioned in 3.6.2.1(2)① of this Chapter, the required survey aiming at following detailed X sub-element is to be completed to verify compliance of corresponding technical requirements:
- e. SC/SC+: requirements of 5.3.3.1 or 5.3.3.2, Chapter 3 of the Rules;