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Revised MARPOL Annex V

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All ICS customers and surveyors

According to the acceptance of new amendments on Annex V of MARPOL convention by IMO in MEPC 201(62) on July 2011, the mentioned amendments will come into force from January 1, 2013.

Related to the new requirements, this Technical Information is published to inform our respectful surveyors and customers about the revised regulations and the major differences with the previous version.

The electronic file of this document could be found at the following address:

<\\server\ICS Organization\Convention and Legislation Department\Publications\Circ\ 2012>

Also this Electronic File will be sent via email to all respectful ICS Customers and Surveyors.

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کلیه مشتریان و بازرسان محترم ICS

احتراماً، با عنایت به تصویب اصلاحیه جدید ضمیمه V کنوانسیون مارپول طی قطعنامه (62) MEPC.201 مورخ ۱۵ جولای ۲۰۱۱ سازمان بین المللی دریانوردی، از ابتدای ماه ژانویه سال ۲۰۱۳ مفاد اصلاحیه فوق لازم الاجرا می باشد. با توجه به الزامات جدید، اطلاعیه فنی حاضر به بررسی مقررات بازنگری شده و تفاوت های عمده آن با نسخه قبلی به همراه نکات لازم برای بازرسان و مالکان محترم می پردازد.

نسخه الکترونیکی بخشنامه مذکور در شبکه داخلی موسسه با آدرس ذیل قابل دسترسی می باشد:

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همچنین نسخه الکترونیکی این سند از طریق پست الکترونیکی به کلیه مشتریان و بازرسان محترم موسسه ارسال می گردد.

عبدالله جمالی

مدیریت واحد کنوانسیون ها و مقررات دریایی

موسسه رده بندی ایرانیان

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1. Introduction

Garbage from ships can be just as harmful to marine life as oil or chemicals. The greatest danger comes from plastic, which can float for years.

For a long while, many people believed that the oceans could absorb anything that was thrown into them, but this attitude has changed along with greater awareness of the environment. Many items can be degraded by the seas - but this process can take months or years. The annex V OF MARPOL Convention sought to eliminate and reduce the amount of garbage being dumped into the sea from ships.

Annex V totally prohibits the disposal of plastics anywhere into the sea, and severely restricts discharges of other garbage from ships into coastal waters and "Special Areas".

The Annex also obliges Governments to ensure the provision of reception facilities at ports and terminals for the reception of garbage.

2. History of ratification and revisions

Following the researches in IMO meetings the Annex received sufficient number of ratifications to enter into force on 31 December 1988. In continue, Provisions to extend port State control to cover operational requirements as regards prevention of marine pollution were adopted as a new regulation 8 to the Annex in 1994 (entered into force on 3 March 1996).

The IMO also developed a guideline for implementation of annex V, to assist the governments, ships and ports operators for

complying with requirements set forth in Annex V.

The MEPC at its sixty-second session in July 2011 adopted the amendments to Annex V by resolution MEPC. 201(62), which is going to enter into force on 1 January 2013. The revised Annex V prohibits the discharge of all garbage into the sea, except as provided otherwise.

3. Major changes in revised version

The revised annex V has changed in several aspects such as No. of regulations, more detailed definitions, range of application and etc. The summary of changes is provided in the following paragraphs and table 1. Also, the new placard is presented in table 2. It is recommended to review the content of convention for more information.

1. Regulation 1:

In this regulation the definitions are provided in more detail and increased from 3 items to 14. New regulation considered the definition and details of special areas and also definitions of various types of garbage in order to make uniform interpretations.

2. Regulation 3:

This regulation is newly added to restrict the disposal of garbage. Regarding this amendment, the concept of new annex V is changes to "not to discharge of all garbage into the sea, except as provided otherwise".

3. Regulation 4:

In this regulation the disposal of food wastes outside special areas, is divided to two obvious subparagraphs. In addition, the discharge of wash water containing cleaning agents is permitted only if confirmed that the disposal is not harmful to the marine environment, taking into account guidelines developed by IMO.

4. Regulation 6:

According to this regulation, the discharge of cargo residue can be permitted only if all the required

provision and condition satisfied. The regulation also provides special requirements for Antarctic areas.

5. Regulation 7:

This regulation excepts the discharge requirements if the retention of food wastes onboard presents an imminent health risk to the people. Furthermore, another exception is added for loss or discharge of fishing gear.

6. Regulation 8:

This regulation, asks the parties, the coastline of which borders a special area to provides adequate reception facilities.

7. Regulation 10:

The provision of regulation 10 changes the application range of garbage management plan from Ships of 400 GT

and above to 100 GT and above. Additionally, the installation of placards and preparation of garbage management plan is made mandatory for fix and floating platforms. Also, in case of accidental loss or discharge of fishing gear, the report shall be raised to flag state.

8. Garbage Record Book:

In new form of garbage record book garbage categories are increased to 9 (from 6). In “record of garbage discharge” part, a new table layout is provided. The new form of garbage record book and table layout including required eateries can be found in attachments of this technical information for ship owners and surveyors.

Table 1. A brief overview of revised MARPOL - Annex V changes

REGULATIONS	OLD VERSION	REVISED ANNEX
Regulation 1	Define 3 term including overall meaning of garbage and nearest land and special areas	Define 14 term including detailed definition of various type of garbage
Regulation 3	-----	Added in new revision to restrict the disposal of garbage.
Regulation 4	Requirement of discharge outside special area (2 paragraph) Note: in older version the regulation number is 3.	Requirement of discharge outside special area (3 paragraphs) which divide condition of food wastes to two items clearly plus provision for discharge of wash water.
Regulation 6	Provision of discharge inside special area including definition of areas. Note: in older version the regulation number is 4.	Provision of discharge inside special areas without details of positions. Requirements for discharge of cargo residue and discharging into Antarctica sea area are added.
Regulation 7	Provides exceptions	Waives the enroute requirement in special cases and adds another exception for loss of fishing gear.
Regulation 8	Provisions for reception facilities	Orders the parties of special area borders to provide adequate facilities.
Regulation 10	Requirement and application of placards and garbage management plan for ships: <ul style="list-style-type: none"> • Placard: 12 meter and above • Garbage management plan and record book: 400 GT and above Note: in older version the regulation number is 9.	Requirement and application of placards and garbage management plan for ships and platforms <ul style="list-style-type: none"> • Placard: 12 meter and above and also for fix or floating platforms • Garbage management plan and record book: 100 GT and above. • Garbage record book: 400 GT and above Accidental losses shall be reported to administration of flying flag and costal state in case of happening in coastal water.
Garbage record book	Dividing garbage's to 6 categories	Dividing garbage's to 9 categories. Accidental losses added to garbage record book entry. Also, more detailed kinds of garbage are added to garbage management plan.
Record of garbage discharge	-----	New format of table layout shall be used.

4. Notes for surveyors and technical staffs

- 1) According to new amendments, from 1 January 2013 the garbage management plan is also mandatory for fix or floating platforms and ships with GT>100.
- 2) Revised placard shall be installed on board of applicable ships and units.
- 3) Minimizing garbage production onboard shall be added to the goals of garbage management plan.
- 4) The designated person in charge of carrying out the plan may be more than one person. (in previous revision, only one person was required)
- 5) The application of provisions for fix or floating platform is not limited to those engaged in exploration and exploitation of the seabed.
- 6) The accidental loss of garbage shall be recorded in the Garbage Record Book and for ships of less than 400 GT the accidental losses shall be recorded in ship official log book.

- 7) Accidental losses of garbage shall be reported to administration of flying flag and costal state in case of happening in coastal water.
- 8) The categories of garbage shall be recorded in the record of discharges (in Garbage Record Book).
- 9) The numbering of reference regulations in garbage management plan shall be amended according to revised Annex V.

5. Reference

- MARPOL Annex V
- [KR-Con software](#)
- [IMO website](#)

6. Attachments

- + MARPOL - Revised annex V (*from KR-Con Software*)
- + Guidelines for the implementation of Annex V of MARPOL (*from KR-Con Software*)

Table 2. Simplified overview of the discharge provisions of the revised MARPOL Annex V

Type of garbage	Ships outside special areas	Ships within special areas	Offshore platforms (more than 12 nm from land) and all ships within 500 m of such platforms
Food waste comminuted or ground	Discharge permitted ≥3 nm from the nearest land, en route and as far as practicable	Discharge permitted ≥12 nm from the nearest land, en route and as far as practicable	Discharge permitted
Food waste not comminuted or ground	Discharge permitted ≥12 nm from the nearest land, en route and as far as practicable	Discharge prohibited	Discharge prohibited
Cargo residues ¹ not contained in wash water	Discharge permitted ≥12 nm from the nearest land, en route and as far as practicable	Discharge prohibited	Discharge prohibited
Cargo residues ¹ contained in wash water		Discharge permitted ≥12 nm from the nearest land, en route, as far as practicable and subject to two additional conditions ²	Discharge prohibited
Cleaning agents and additives ¹ contained in cargo hold wash water	Discharge permitted	Discharge permitted ≥12 nm from the nearest land, en route, as far as practicable and subject to two additional conditions ²	Discharge prohibited
Cleaning agents and additives ¹ in deck and external surfaces wash water		Discharge permitted	Discharge prohibited
Carcasses of animals carried on board as cargo and which died during the voyage	Discharge permitted as far from the nearest land as possible and en route	Discharge prohibited	Discharge prohibited
All other garbage including plastics, synthetic ropes, fishing gear, plastic garbage bags, incinerator ashes, clinkers, cooking oil, floating dunnage, lining and packing materials, paper, rags, glass, metal, bottles, crockery and similar refuse	Discharge prohibited	Discharge prohibited	Discharge prohibited
Mixed garbage	When garbage is mixed with or contaminated by other substances prohibited from discharge or having different discharge requirements, the more stringent requirements shall apply		

1 These substances must not be harmful to the marine environment.

2 According to regulation 6.1.2 of MARPOL Annex V the discharge shall only be allowed if: (a) both the port of departure and the next port of destination are within the special area and the ship will not transit outside the special area between these ports (regulation 6.1.2.2); and (b) if no adequate reception facilities are available at those ports (regulation 6.1.2.3).