



Subject: CIRCULAR. 2018-07
Limiting the maximum Sulphur
content of the fuel oils

Number: 32/97/0006
 Date: 23.04.2018

موضوع: بخشنامه ۲۰۱۸-۰۷
 محدودیت در حداکثر مقدار گوگرد موجود در
 سوخت کشتیها

شماره: ۳۲/۹۷/۰۰۰۶
 تاریخ: ۱۳۹۷/۰۲/۰۳

All respectful ICS' Customers/ Surveyors
 With gratitude

Accordingly, the received Circular about
 "Limiting the Maximum Sulphur Content of
 Fuel Oil" has been sent for your kind
 information.

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

\\server\ICS Organization\Convention and
 Legislation Department\Publications\circ\2018-07

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

A.M. Rezvan panah
 Manager of Convention & Legislation
 Department
 Iranian Classification Society

A.M. Rezvan Panah (ICS)

Disclaimer: Although all possible efforts have been made to
 ensure correctness and completeness of the information and
 guides contained in this technical information, the Iranian
 classification society is not responsible for any errors,
 damages, penalties or emissions made herein, nor held for
 any actions taken by any party as a result of information
 retrieved from this technical information.

کلیه مشتریان و بازرسان محترم ICS

با سلام و احترام

بدینوسیله بخشنامه دریافتی در خصوص محدودیت در
 حداکثر مقدار گوگرد در سوخت کشتیها، جهت بهره
 برداری، در قالب بخشنامه حضورتان ایفاد می گردد.

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

\\server\ICS Organization\Convention and
 Legislation department\Publications\circ\2018-07

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

رضوان پناه

مدیر واحد کنوانسیونها، قوانین و مقررات
 مؤسسه رده بندی ایران

A.M. Rezvan Panah

ترک دعوی: اگرچه در گردآوری کلیه راهنماهای فنی ارائه شده توسط موسسه رده
 بندی ایران، تا حد ممکن تلاش در دقت و صحت محتوا صورت گرفته است، این
 موسسه متحمل مسئولیتی در قبال هرگونه اشتباهات، خسارت های احتمالی و جرائمی
 که ممکن است در ارتباط با بکار گیری مفاهیم و مطالب ارائه شده رخ دهد، نمیشاند.

Code: ICS32F016/2

■ موسسه رده بندی ایران

نشانی دفتر مرکزی: تهران خیابان مطهری، خیابان قائم مقام فراهانی، بالاتر از میدان شعاع، کوچه شبنم
 پلاک ۵ تلفن: ۰۲۱ ۴۲۱۸۶۰۰۰ نمابر ۰۲۱ ۸۸۳۲۴۷۳۴ www.ics.org.ir info@ics.org.ir

- The International Maritime Organization (IMO) has set a limit of 0.50% m/m (mass by mass) for sulphur in fuel oil used on board ships operating outside designated Emission Control Areas (Regulation 14 of MARPOL Annex VI) with effect from 1st January 2020.
- The effective date of the requirement (1st January 2020) was adopted at the 70th session of MEPC on 28th October 2016 vide Resolution MEPC.280 (70). Subsequently during the last session of the IMO's Sub- Committee on Pollution Prevention and Response (PPR) in February 2018, it was brought to the attention of all Member States that the set effective date when sulphur limit in fuel oil must not exceed 0.50% will remain unchanged and that there should be no "transitional period" that could postpone this implementation either.
- Under the new global limit, ships will have to use fuel oil on board with a sulphur content of no more than 0.50% m/m, against the current limit of 3.50%, which has been in effect since 1st January 2012. The interpretation of "fuel oil used on board" includes use in main and

auxiliary engines and boilers. Exemptions are provided for situations involving the safety of the ship or saving life at sea, or if a ship or its equipment is damaged.

- Ships can meet the requirements by using low-sulphur "compliant" fuel oil. Also, to meet the Sulphur emission requirements, ships may also use other approved methods, such as equipping of vessels with exhaust gas cleaning systems, so called scrubbers, or switching to LNG as a fuel or other alternatives (e.g. Methanol). In case the equivalent arrangement has been chosen as a method to comply with the requirements, an approval has to be obtained from the Flag Administration.
- The first level of control in respect of the compliance with the new regulation should be on the actual sulphur content of the fuel oil supplied on board. This value is to be stated by the fuel oil supplier on the bunker delivery note. Also samples of the fuel oil may be taken for verification.

Code: ICS32F016/2



Subject: CIRCULAR. 2018-07

**Limiting the maximum Sulphur content
of the fuel oils**

Number: 32/97/0006

Date: 23.04.2018

موضوع: بخشنامه ۲۰۱۸-۰۷

محدودیت در حداکثر مقدار گوگرد موجود در سوخت

کشتیها

شماره: ۳۲/۹۷/۰۰۰۶

تاریخ: ۱۳۹۷/۰۲/۰۳

• In order to facilitate the need for taking fuel samples "in -use" the IMO has issued guidance (MEPC.1/Circ.864 on Guidelines for on board sampling for the verification of the sulphur content of the fuel oil used on board ships) addressing the location of onboard fuel sampling points and the handling of samples for the testing of sulphur content for MARPOL Annex VI compliance. The guidelines describe requirements for sampling locations and sample handling.

• IMO is currently carrying work on development of new guidelines on Consistent Implementation of Regulation 14.1.3 of MARPOL Annex VI and amendments to the Guidelines for on board sampling for the verification of the sulphur content of the fuel oil used on board ships (MEPC.1/Circ.864).

NOTE: The implementation schedule to limit Sulphur content in fuel oil has been summarized in next page.

Code: ICS32F016/2



Subject: CIRCULAR. 2018-07

موضوع: بخشنامه ۲۰۱۸-۰۷

**Limiting the maximum Sulphur content
of the fuel oils**

محدودیت در حداکثر مقدار گوگرد موجود در سوخت

کشتیها

Number: 32/97/0006

Date: 23.04.2018

شماره: ۳۲/۹۷/۰۰۰۶

تاریخ: ۱۳۹۷/۰۲/۰۳

**The implementation schedule to limit Sulphur content in fuel oil
used onboard ships.**

Outside an ECA established to limit Sox and particulate matter emissions	Inside an ECA established to limit Sox and particulate matter emissions
4.50% m/m <u>prior to</u> 1 January 2012	1.50% m/m <u>prior to</u> 1 July 2010
3.50% m/m on and <u>after</u> 1 January 2012	1.00% m/m on and <u>after</u> 1 July 2010
0.50% m/m on or <u>after</u> 1 January 2020	0.10% m/m on and <u>after</u> 1 January 2015

Code: ICS32F016/2

