

# — IMO-DCS : Guide line for data verification

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# 1. Summary of IMO DCS (1/2)



## Purpose

Data collection of fuel consumption and CO2 emissions from the vessels over 5,000 GT engaged in international voyages

- Collecting fuel consumption data and GHG emission status of the ocean going vessels
- Establishment of strategies for reducing GHG

## Regulation

MARPOL ANNEX VI

- Reg. 22A(Collection and Reporting of Ship Fuel Oil Consumption Data)
- (MEPC 69) MARPOL Annex VI. Chapter IV amendment approval.
- (MEPC 70) Resolution for Data Collection System of vessels (effected from 2018.3.1)

## Related Documents

Guidelines

- The development of a ship energy efficiency management Plan
- Administration verification of ship fuel oil consumption data
- The development and management of the IMO ship fuel oil consumption database

# 1. Summary of IMO DCS (2/2)

## What ships?

- ▶ Over 5,000 GT which engaged in international voyages
- Exception for a warships, military usages, non-mechanical propulsion vessels, and non-commercial purposes government vessels

## Company

### Ship

- SEEMP Part II
- CoC kept on board

### Ship

Data monitoring

Entry into force

'18.3.1



- SEEMP Part II Survey
- Issuance of CoC

'19.1.1

Calendar year



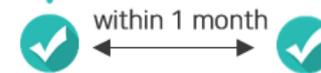
'19.12.31

### Ship

Report data to Administration or RO

'20.3.31

'20.5.31



- Verification of annual data collected
- Issuance of SoC
- Transfer to IMO DB
- Via electronic communication
- Using standardized format

Effective SoC kept on board

DCS Annually

## Administration / RO



- ✓ Confirmation of Compliance
- ✓ SEEMP Part II inspection
- ✓ To be kept onboard (before delivery in case of new ship)



- ✓ Statement of Compliance
- ✓ Collected data verification
- ✓ To be kept onboard (PSC check item)

### Application

- ✓ Fill up the application form and send it via e-mail ([imo.dcs@krs.co.kr](mailto:imo.dcs@krs.co.kr))
- ✓ We are developing the 'Web-based system' to provide an online application and data verification service

### Documents to be submitted with the application

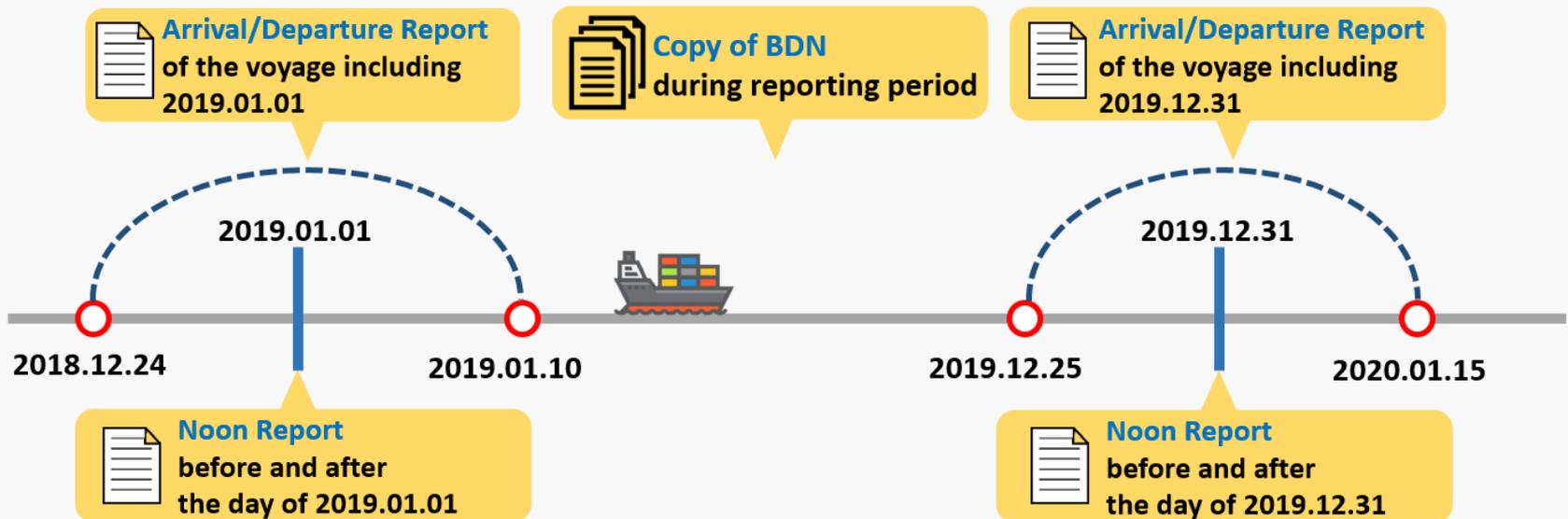
- ✓ The copy of the most recently approved SEEMP Part II  
(Except for the vessels that are approved by KR)
- ✓ Annual collected data reporting document  
: Using standardized data reporting format for the data collection system of the IMO Resolution.MEPC282(70)
- ✓ Details of data reported on the standard form (the form will be released later)
- ✓ Evidences for verification of collected data (refer to the next page)

*\* Additional data could be required to submit if needed*

### 3. Evidences for data verification (1/2)

#### Fuel consumption evidences – Method A(BDN)

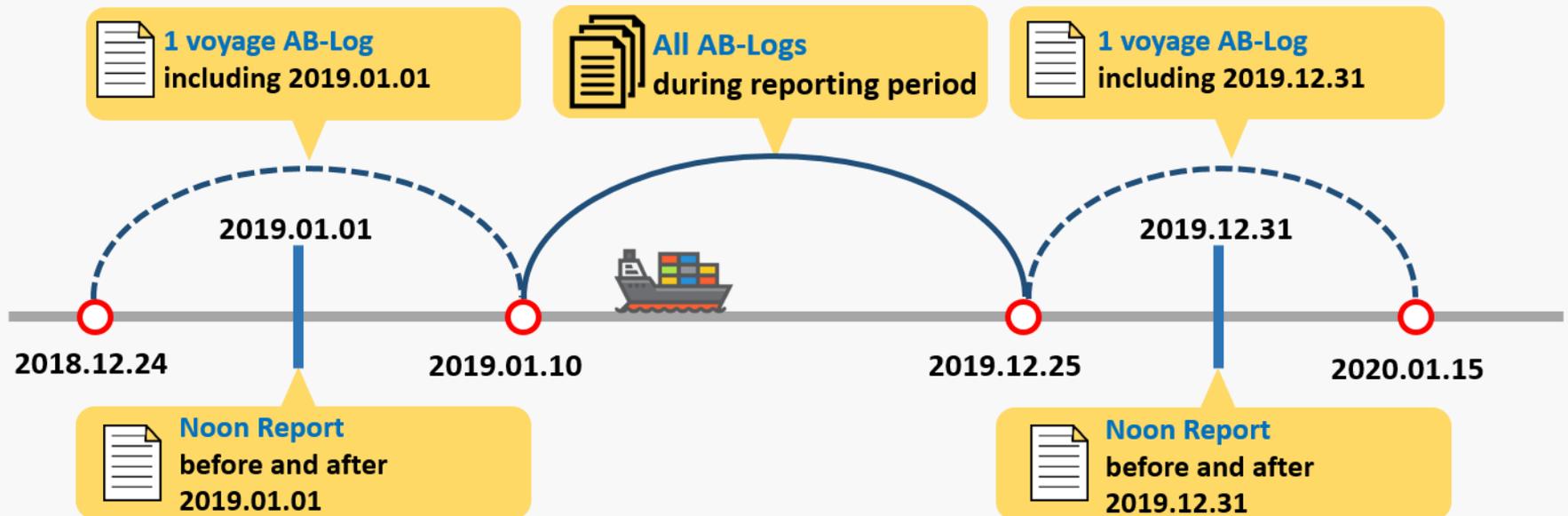
- ✓ Copy of BDN for the reporting period
- ✓ If the vessels is not sailing on 1<sup>st</sup> JAN', 31<sup>st</sup> DEC'  
Report the bunker remaining onboard data  
-the report (ex. Noon report) shall be carried out before and after that day
- ✓ If the vessels is sailing on 1<sup>st</sup> JAN', 31<sup>st</sup> DEC'  
Submit the **Departure / Arrival report** of that day's voyage.  
-if the report is not available, submit AB-log of that day's voyage
- ✓ If de-bunkering occurred during the reporting period, submit the copy of the **Oil record book** page which includes de-bunkered amount and supporting evidence.



### 3. Evidences for data verification (2/2)

#### **Fuel consumption evidences – Method B(Flowmeter) or C(Sounding)**

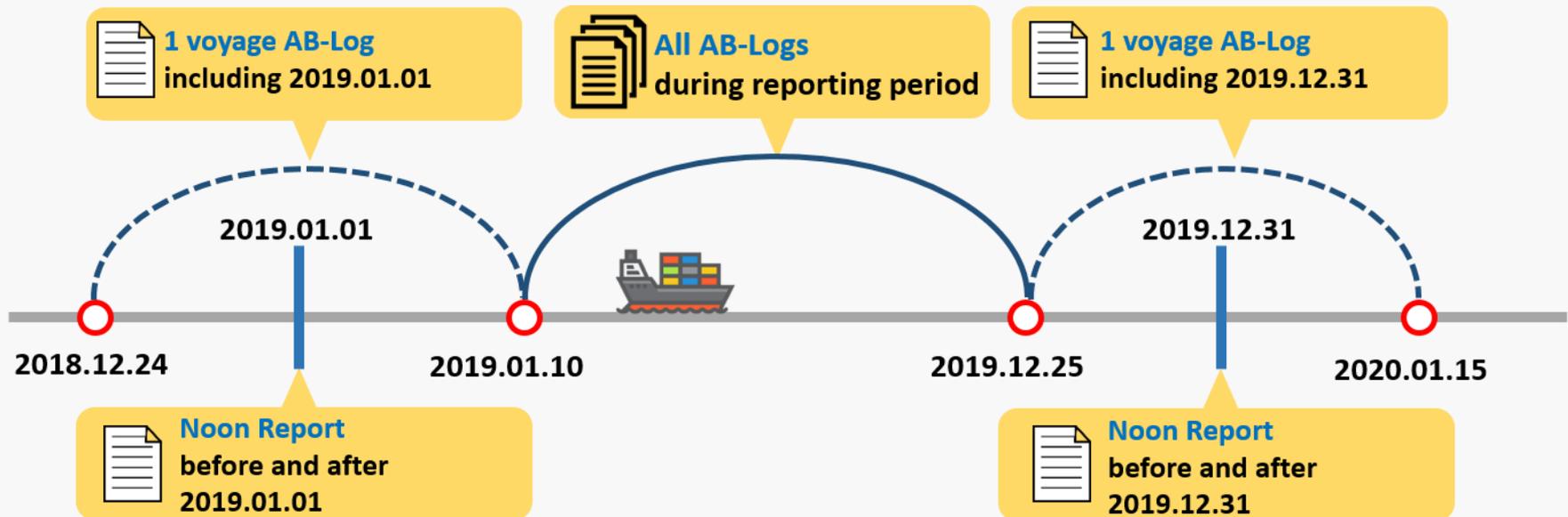
- ✓ Submit every AB-Logs for the reporting period(Calendar year)
- ✓ Submit AB-Log which covers 1<sup>st</sup> JAN' & 31<sup>st</sup> DEC'
- ✓ Submit Noon Report of the day before & after the 1<sup>st</sup> JAN' & 31<sup>st</sup> DEC' (total 4)
- ✓ It is recommended to calculate BROB at 0000LT of 1<sup>st</sup> JAN' & 31<sup>st</sup> DEC' and submit relevant documents – the basis of calculated BROB.



### 3. Evidences for data verification (2/2)

#### ◆ Evidences for the distance travelled & hours underway

- ✓ Submit every AB-Logs for the reporting period(Calendar year)
- ✓ Submit AB-Log which covers 1<sup>st</sup> JAN' & 31<sup>st</sup> DEC'
- ✓ If the vessel is sailing on 1<sup>st</sup> JAN' & 31<sup>st</sup> DEC', submit Noon Report of the day before & after the 1<sup>st</sup> JAN' & 31<sup>st</sup> DEC' (total 4)



# How to download the application form

## Our Services > IMO DCS > Technical document – 6.Application form for IMO DCS verification

**IMO DCS**

Classification	Statutory Services	Approval of Class Equipment	Certification	Naval Services	Industry Services	Service Supplier
<ul style="list-style-type: none"> <li>During Construction</li> <li>After Construction</li> <li>Existing Ships</li> <li>Cap Inspection</li> <li>PSC</li> <li>Online Application</li> <li>Cyber Security</li> </ul>	<ul style="list-style-type: none"> <li>Statutory Survey</li> <li>Foreign Governments</li> <li>ISM Code</li> <li>ISPS Code</li> <li>MLC Convention</li> <li>KR at IMO</li> </ul>	<ul style="list-style-type: none"> <li>General</li> <li>Scope</li> <li>Procedure</li> <li>Application Form</li> <li>Documents</li> <li>e-MESIS                             <ul style="list-style-type: none"> <li>Approval Lists</li> <li>Approval Lists (Print)</li> </ul> </li> <li>EU RO-MR</li> </ul>	<ul style="list-style-type: none"> <li>System Certification</li> <li>Product Certification</li> <li>Third Party Inspection</li> <li>CE Marking</li> <li>EU MRV Verification</li> <li>Wind Energy</li> <li><b>IMO DCS</b></li> </ul>	<ul style="list-style-type: none"> <li>Introduction</li> <li>Technology Standards Development</li> <li>Plan Approval and Critical Systems Certification</li> <li>Survey during Construction, for Equipment and etc</li> <li>CAP for Navy, Diving &amp; Equipment</li> <li>Technical Assistance and Training Service</li> </ul>	<ul style="list-style-type: none"> <li>Korean Register in Brunei Darussalam - KR(B)</li> </ul>	<ul style="list-style-type: none"> <li>Service Supplier</li> </ul>

No	Title	Date	File	Hit
8	IMO DCS Main issues - SEEMP Part II	01-11-2018		107
7	Sample of SEEMP Part II	03-07-2018		84
6	<b>Application form for IMO DCS verification</b>	03-07-2018		58
5	2018-IMO-03(E) - Preparing for implementation of ship fuel oil consumption data collection system(DCS)	03-07-2018		50
4	Circular Letter No.3827 - GISIS-IMO Ship Fuel Oil Consumption Database Module	03-07-2018		46
3	Resolution MEPC.292(71) - 2017 Guidelines DCS Administration verification	03-07-2018		43
2	Resolution MEPC.282(70) - 2016 Guidelines for the development of a ship energy efficiency management plan(SEEMP)	03-07-2018		48
1	Resolution MEPC.278(70) - Amendments to MARPOL Annex VI (DCS for fuel oil consumption of ships)	03-07-2018		48