



Reporting and calculation modalities for emergency stockholding obligations – compliance with the implementing Directive (EU) 2018/1581

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Energy Community, 11th Oil Forum
Belgrade, 8/9 October 2019

Presentation Overview

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- ✚ Planned withdrawal of the UK from the EU ['BREXIT']
- ✚ Amendment of the OIL STOCKS Directive

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- ✚ Alignment of Imports and Exports Countries' lists
- ✚ Possibility to encode data in kt with three decimals
- ✚ SDMX-compatibility
- ✚ Integration of the MOS OIL into the ESS Shared Validation Tools

● Implementation of the new MOS OIL reporting tool



Introduction



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What is the MOS OIL questionnaire?

🌐 Common Reporting tool [in excel-format]

➤ Streamlined since January 2013 with the aim to minimize the administrative reporting burden for reporting countries while serving the statistical reporting requirements of the legal acts in place

- ❖ Energy Statistics Regulation and
- ❖ Oil Stocks Directive

within the European Union legal framework

And

- ❖ IEP Agreement [Agreement on an International Energy Program]

within the IEA international framework



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To which organisations is the MOS OIL questionnaire submitted?



International
Energy Agency



Export

Import

Reset

MONTHLY OIL QUESTIONNAIRE

Version 2012.4

All data should be entered in thousand metric tons, with no decimal place.

Please round data before calculating the totals.

All opening stock levels should equal closing stock levels of the previous month.

Before sending your submission, please ensure there are no discrepancies left.

A summary table of all discrepancies is shown below on this page.

You can address your questions to the MOS section:

mos@iea.org

and to Eurostat:

estat-energy@ec.europa.eu



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Which countries submit the MOS Oil Q to the European Commission - Eurostat?

- **European Union Member States**
- **Candidate countries to the European Union**
- **Potential candidates to the European Union**
- **European Economic Area (EEA) countries**
- **Energy Community contracting parties**

Submit the questionnaire via Eurostat's Single Entry Point (SEP)

<https://webgate.ec.europa.eu/edamis>

Select the eDAMIS flow: ENERGY_MOSOIL_M



Legal basis

Energy Statistics Regulation And Oil Stocks Directive



Energy Statistics Regulation

Regulation (EC) No 1099/2008 of the European Parliament and of the Council of 22 October 2008 on energy statistics (Text with EEA relevance)

Next fifth amendment to be adopted soon

Since its adoption, this Regulation was amended four times, in 2010, 2013, 2014 and 2017

First published

<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32008R1099>

Latest consolidated version of the Regulation

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02008R1099-20171130>

Energy Statistics Regulation

Definitions of OIL (Crude oil and petroleum products)

In ANNEX A "CLARIFICATIONS OF TERMINOLOGY"
Chapter 3 "PRODUCTS"

Sub-Chapter 3.4 "OIL (Crude oil and petroleum
products)" - from 3.4.1 to 3.4.24

Monthly Energy Statistics of OIL

In Annex C "MONTHLY ENERGY STATISTICS"
Chapter 3 "OIL AND PETROLEUM PRODUCTS"

Sub-Chapters 3.1 "Applicable energy products", 3.2
"List of aggregates", 3.3 " Units of measurement"
and 3.4 "Deadline for transmission of data "

Oil Stocks Directive

Council Directive 2009/119/EC of 14 September 2009, imposing an obligation on Member States to maintain minimum stocks of crude oil and / or petroleum products

Article 3
Emergency stocks — Calculating stockholding obligations

First published

<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32009L0119>

Latest consolidated version of the Directive

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02009L0119-20181224>

Oil Stocks Directive

**Commission Implementing Directive
(EU) 2018/1581 of 19 October 2018
amending Council Directive
2009/119/EC as regards the methods
for calculating stockholding obligations**

ANNEX I

**METHOD FOR CALCULATING THE CRUDE OIL
EQUIVALENT OF IMPORTS OF PETROLEUM
PRODUCTS**

Published

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32018L1581>

MOS Oil data is used by the European Commission – DG ESTAT for compliance monitoring under the Energy Statistics Regulation as regards monthly oil statistics – acquis communautaire statistics chapter

ENERGY STATISTICS WORKING GROUP - Compliance monitoring issues presented and discussed

MOS Oil data is used by the European Commission – DG Energy for compliance monitoring under the Oil Stocks Directive as regards the EMERGENCY oil stockholding obligations

OIL COORDINATION GROUP - Compliance monitoring issues presented and discussed

On-line Database



<http://ec.europa.eu/eurostat/data/database>

ANNUAL

 Balances

 Indicators

 Infrastructure

MONTHLY

 Supply, transformation

 Trade

 Oil stocks


PRICES



Changes in the MOS-Oil Questionnaire

Updates of the MOS Oil questionnaire

January 2013

 **Streamlining of the MOS questionnaire with the aim to minimize the administrative reporting burden for reporting countries while serving the statistical reporting requirements of the legal acts in place**

- ❖ Energy Statistics Regulation and
- ❖ Oil Stocks Directive within the EU legal framework

And

- ❖ IEP Agreement [Agreement on an International Energy Program] within the IEA international framework

 **Deadline for submission reduced to 55 days**

Updates of the MOS Oil questionnaire












 **April 2018**


 **Including the Energy Community Contracting Parties**


- ❖ Expansion of imports & exports countries' lists
- ❖ Adaptation of stocks related countries lists & formulae

MOS Questionnaires & reporting instructions - CURRENT VERSION



-  MOS - oil (version 2012.4)
-  MOS - gas (version 2012.4)
-  MOS - reporting instructions (version 2012.2)
-  Monthly questionnaire oil (JODI)
-  JODI description
-  JODI manual
-  SEG gas
-  Monthly questionnaire electricity (version 2017)
-  Monthly questionnaire electricity - reporting instructions (version 2017)
-  SEG electricity
-  Monthly questionnaire coal (version 2017)
-  Monthly questionnaire coal - reporting instructions (version 2017)

 **This is the currently used version of the MOS OIL questionnaire**

 **It includes the Energy Community Contracting Parties in all Stocks related tables**

MOS Questionnaires & reporting instructions - CURRENT VERSION



TABLE 5, TABLE 5b:

STOCK LEVELS

The EnC Contracting Parties can hold emergency stocks counting towards their stockholding obligation under the Directive only on their national territory and/or on the territory of the other EnC Contracting Parties.

TABLE 5b

(Please note that Table 5 is to be completed by all reporting countries (OECD and EU), while Table 5b and Table 5c need to be completed only by the EU Member States and the EnC Contracting Parties)

Please note that the instructions provided below concerning the reporting of emergency stock levels under the Directive 2009/119/EC are applicable to EU Member States, and also to Energy Community (EnC) Contracting Parties.

The EnC Contracting Parties can hold emergency stocks counting towards their stockholding obligation under the Directive only on their national territory and/or on the territory of the other EnC Contracting Parties.

(Please note that Table 8c is to be completed only by the EU Member States and the EnC Contracting Parties)

Please note that the instructions provided below concerning the reporting of emergency stock levels under the Directive 2009/119/EC are applicable to EU Member States, and also to Energy Community (EnC) Contracting Parties.


The EnC Contracting Parties can hold emergency stocks counting towards their stockholding obligation under the Directive only on their national territory and/or on the territory of the other EnC Contracting Parties.

✚ The EnC Contracting Parties can hold emergency stocks counting towards their stockholding obligation under the Directive only on their national territory and/or on the territory of the other EnC Contracting Parties

Upcoming changes in the MOS Oil questionnaire

Needed due to policy-related developments

Planned withdrawal of the UK from the EU ['BREXIT']



 **The stocks held by other EU Member States in the UK would not anymore be counted towards the stockholding obligation**

- *the formulae calculating the stocks held in the EU will be amended in the stocks-related tables of the questionnaire*

Upcoming changes in the MOS Oil questionnaire

Amendment of the OIL STOCKS Directive

Commission Implementing Directive (EU) 2018/1581 of 19 October 2018 amending Council Directive 2009/119/EC as regards the methods for calculating stockholding obligations

-  changes of the Oil Stocks Directive will apply starting with reference month January 2020
-  the threshold of 7 % (used to allow the choice by the reporting country of a higher deduction for the 'naphtha yield') will be removed

Amendment of the OIL STOCKS Directive

In the amended Directive, reporting countries may choose between three options for deducing naphtha yield:

-  **4%**
-  **the average naphtha yield,**
-  **the net actual naphtha consumption**

The starting date for calculating the yearly stockholding obligation is moved from the current date (31st March) to 30th June

-  **This will give three extra months for completing national administrative procedures and adapting the level of emergency stocks, thus facilitating compliance within the deadline**



STOCKS

**Tables 5, 5b_5c, 6, 6b, 7, 8, 8b, 8c, 9
are all dedicated to OIL & PETROLEUM
PRODUCTS STOCKS**



**Tables 5b_5c and Table 8c to be completed
by EU Member States and Energy Community
Contracting Parties
Under the OIL STOCKS Directive**



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Table 5b

	2016
Refinery gross output	19
Refinery fuel	20
Imports (Balance)	21
Exports (Balance)	22
Refinery intake (Calculated)	23
International marine bunkers	24
Gross inland deliveries (Observed)	25
All stocks	26
on national territory	27
Backflows to refineries	28

Sum of monthly figures for		2016
Refinery gross output		19
Refinery fuel		20
Imports (Balance)		21
Exports (Balance)		22
Refinery intake (Calculated)		23
International marine bunkers		24
Gross inland deliveries (Observed)		25
All stocks	Opening JAN	26
on national territory	Closing DEC	27
Backflows to refineries		28

MS has chosen the following method for the reporting year:

Method

(annex III,a)

(annex III,b)

Emergency Stocks held by the MS
in accordance with the EU Directive (in *Days Equivalent*)

29	annex III,(a)
30	0,00

Table 5b



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Month of data

January 2020

MONTHLY OIL QUESTIONNAIRE

Country

(select country)

Month of data

July 2020

Status of data (final/provisional)

Final

Sum of monthly figures for		2018		2019	
Refinery gross output		19		19	
Refinery fuel		20		20	
Imports (Balance)		21		21	
Exports (Balance)		22		22	
Refinery intake (Calculated)				23	
International marine bunkers				24	
Gross inland deliveries (Observed)				25	
All stocks	Opening			26	
on national territory	Closing			27	
Backflows to refineries				28	
Method used for calculating the deduction for naphtha yield					
Minimum stock level calculated based on:					
Minimum stock level for compliance					
Daily Net Imports for compliance					
Daily Inland Consumption for compliance					
Method used for calculating the emergency stocks					
Emergency Stocks held by the MS					
in accordance with the EU Directive (in Days Equivalent)					



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Note: this worksheet concerns only EU Member States / EnC Contracting Parties

LEVEL OF DAILY NET IMPORTS OR DAILY CONSUMPTION (ANNEX I AND II OF THE DIRECTIVE)

The new MOS Oil questionnaire will include the possibility to select the naphtha yield, starting with reference month January 2020

- ✓ This change will be implemented via a conditional formula that will take into account the reported period (reference month) selected
- ✓ The questionnaire will include two sheets displaying the calculation of the stockholding obligation and calculation of the actual stocks counted towards this obligation:
 - ❑ One sheet titled '*Days Equivalent Calculation*', which applies if the selected year is 2019 or before (already existing in the current version of the questionnaire);
 - ❑ One sheet titled '*New Days Equivalent Calculation*', which applies if the selected year is 2020 or after (includes a modified table for the 'step 5' of the calculation, allowing to select the method to determine the naphtha yield).



European Commission

Note: this worksheet concerns only EU Member States / EnC Contracting Parties

LEVEL OF DAILY NET IMPORTS OR DAILY CONSUMPTION (ANNEX I AND II OF THE DIRECTIVE)

MS has chosen the following method for calculating the deduction for naphtha yield:

Step 5

Method to calculate the average daily imports and associated commitments on the basis of:

Method

- 4% default value for naphtha yield (Method 1)
- The average naphtha yield (Method 2)
- The net actual naphtha consumption (Method 3)

Method 1 (4%)

26. Net Imports (Crude and petroleum products) $(05. * 0.96 + 25.)$

27. Daily Net Imports $(26.) / \text{days of year}$

28. 90 Days Commitment $(27.) * 90$

Method 2 (Average naphtha yield)

29. Net Imports (Crude and petroleum products) $(05.-05.*10.+25.)$

30. Daily Net Imports $(29.) / \text{days of year}$

31. 90 Days Commitment $(30.) * 90$

Method 3 (Net actual naphtha consumption)

32. Net Imports (Crude and petroleum products) $(05.-13.+25.)$

33. Daily Net Imports $(32.) / \text{days of year}$

34. 90 Days Commitment $(33.) * 90$

Other changes in the MOS-Oil Questionnaire

Alignment of Imports and Exports countries' lists

1

- ✚ **Following the recent changes of the annual energy questionnaires [for reporting 2017 data]**
- ✚ **Views expressed during past ESWG meetings**
- ✚ **Bilateral discussions with the IEA**

Eurostat & IEA will introduce one single list of Imports and Exports countries' lists harmonised and consistent between annual and monthly energy questionnaires

Possibility to encode data in kt with three decimals 2

- ✚ **Following the recent changes of the annual energy questionnaires [for reporting 2017 data]**

Eurostat & IEA in alignment with the developments made in the five Joint Annual Questionnaires will modify the MOS OIL Questionnaire in order to enable the encoding of data expressed in kilotons [kt] with up to three decimals

SDMX compatibility

3

In line with the developments that have already been put in place for

- + the five Joint Annual Questionnaires**
- + the monthly questionnaires for electricity and for coal**

Eurostat and the IEA are working towards the creation of a SDMX-compatible MOS-Oil questionnaire

Integration of the MOS OIL into the European Statistical System [ESS] Shared Validation Tools

4

In line with the overall corporate developments in all fields of statistics

Eurostat will integrate the MOS OIL into the ESS Shared validation tools, hence enabling an automated, speedy and harmonised validation of its contents

Implementation of the new MOS OIL reporting tool

- ✚ **Eurostat and the IEA are currently working together to finalize the new questionnaire**
- ✚ **Eurostat will send this draft new questionnaire to the ESWG members for comments**
- ✚ **Eurostat will communicate the actual date of implementation of the aforementioned changes at a later stage, mainly depending on the developments concerning BREXIT**
- ✚ **The latest implementation would be effective from the reference month of January 2020**
- ✚ **Once effective, the NEW questionnaire will HAVE TO BE USED**

Thank you for your attention!



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