



# The MOS OIL questionnaire

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# OVERVIEW

- Legal bases
- Data submission and questionnaire info
- The questionnaire: Supply, trade, stocks (Tables 1 – 5)
- **The questionnaire: Emergency stocks (Tables 5b – 9 and days equivalent calculation)**
- Data validation and compliance monitoring
- Questions, Q&A session, exercise

# Legal bases

# MOS – Legal Bases

## 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)

+ amendments in 2010, 2013, 2014, 2017, 2019, **2022 (EU) 2022/132 of 28 January 2022 (no Jodi oil: Importance of punctuality of MOS OIL submissions)**

**ANNEX A: DEFINITION OF OIL** Chapter 3 "PRODUCTS", Sub-Chapter 3.4 "OIL (Crude oil and petroleum products)"

**ANNEX C: MONTHLY ENERGY STATISTICS** Chapter 3 "OIL AND PETROLEUM PRODUCTS" listing: Applicable energy products, list of aggregates, stocks, units of measure and deadline for transmission of data

Latest consolidated version 2020: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02008R1099-20220220>

# MOS – Legal Bases

## Emergency 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

+ amendment in 2018: **Commission Implementing Directive (EU) 2018/1581** which modified [Article 3: Emergency stocks — Calculating stockholding obligations](#)

MOS reporting countries: EU Member States, European Economic Area (EEA) countries, EU candidate and potential candidate countries, Energy Community contracting parties.

Latest consolidated version:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02009L0119-20200101>

# MOS – Legal Bases

- **Table 1 to 5: Supply side + stocks + deliveries**

***Regulation (EC) No 1099/2008***

Production of primary products, refinery intake of primary, output of secondary products, flows to and from petrochemical industry, imports and exports, international marine bunkers use, stocks in national territory, inland deliveries.

- **Table 5b to 9: Emergency and commercial stocks**

***Council Directive 2009/119/EC***

Stocks in national territory, own emergency, held for others or by others, to be imported or exported, stocks by location, commercial stocks.

+ Table: New days equivalent calculation

# SUMMARY: MOS oil data collection is fundamental for meeting the reporting obligations described in both the Energy Statistics Regulation and the Oil Stocks Directive.

MONTHLY OIL QUESTIONNAIRE			
Country			
Month of data			
Status of data (final/provisional)			
Prepared by			
Date of transmission			
<b>Table 1: SUPPLY OF CRUDE OIL, NGL, REFINERY FEEDSTOCKS, ADDITIVES AND OTHER HYDROCARBONS</b>			
	Crude oil	Natural gas liquids	Refinery feedstocks
	A	B	C
+ Indigenous production	1		
+ Receipts from other sources	2		
+ Backflows <sup>1</sup>	3		
+ Products transferred <sup>2</sup>	4		
+ Imports (Balance) <sup>3</sup>	5		
- Exports (Balance) <sup>4</sup>	6		
- Direct use <sup>5</sup>	7		
- Stock changes <sup>6</sup>	8		
= Refinery intake (Calculated)	9	0.000	0.000
- Statistical difference	10	0.000	0.000
= <b>Refinery intake (Observed)</b>	11		0.000
Memo Item: Refinery losses	12		0.000

**MONTHLY OIL QUESTIONNAIRE**  
(select country)  
August 2020

**TABLE 5b AND TABLE 5c ARE TO BE COMPLETED ONLY BY THE EUROPEAN UNION MEMBER STATES AND ENERGY COMMUNITIES**

**Table 5b: EUROPEAN UNION EMERGENCY STOCK LEVELS under Directive 2009/119/EC**

All opening stock levels should be equal to closing stock levels of the previous month

		Crude oil	Natural gas liquids	Refinery feedstocks	Additives / oxygenates	Other hydrocarbons	Total (A to F, excl. E)	Ethane	LPG	Naphtha	Total motor gasoline	Biosgasoline	Non-biosgasoline	Aviation gasoline	Gasoline types jet fuel	Total kerosene types jet fuel	Bio jet kerosene	Non-bio jet kerosene	Other kerosene	Road diesel	Heating and other gas oil	Total gas/diesel oil	Biodiesels	Non-bio gas/diesel oil	
																									A
(EU-a) Emergency stocks (Total)	Opening	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Closing	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
(EU-b) Stocks held for other EU Member States under official agreement	Opening	3																							
	Closing	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
(EU-c) Stocks with reserves	Opening	5																							
	Closing	6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
(EU-d) Stocks held by governments	Opening	7																							
	Closing	8																							
(EU-e) Stocks held by the Central Stockholding Entity (CSE) on national territory	Opening	9																							
	Closing	10																							
(EU-f) Stocks held by Economic Operators on national territory	Opening	11																							
	Closing	12																							
(EU-g) Stocks held abroad in other EU Member States under official agreement	Opening	13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Closing	14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
(EU-h) Stocks held abroad in EU designated facilities for import into your country	Opening	15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Closing	16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
(EU-i) Total Emergency Stocks held by the MS in accordance with the EU Directive 2009/119/EC	Opening	17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
	Closing	18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Sum of monthly figures for 2019

Refinery gross output	19																								
Refinery feed	20																								
Imports (Balance)	21																								
Exports (Balance)	22																								
Refinery intake (Calculated)	23																								
International marine bunkers	24																								
Gross inland deliveries (Observed)	25																								
All stocks	26																								
Opening JAN	27																								
Closing DEC	28																								
Backflows to refineries	29																								

Method used for calculating the deduction for naphtha yield: 4% default value for naphtha yield. NOTE: This variable is valid from January 2020

Minimum stock level calculated based on: Inland Consumption

Minimum stock level for compliance: 0.000

Daily Net Imports for compliance: 0.000

Daily Inland Consumption for compliance: 0.000

Method used for calculating the emergency stocks: Annex III (b)

Emergency Stocks held by the MS in accordance with the EU Directive (in Days Equivalent): 0.000

Navigation: Summary | Table 1 | Table 2 | Table 3 | Table 4 | Table 5 | **Table 5b\_5c** | Table 6 | Table 6b | Table 7 | Table 8 | Table 8b | Table 8c | Table 9

Each Contracting Party needs to fully understand the reporting details and methodologies related the MOS.

# Data submission and questionnaire info



# MOS – Submitting data

- Deadlines for reporting: 55 days after the end of the reporting month
- **Reporting obligations for EnC CPs**
  - **MOS ESR data: Obligation started with ref month Jan 2014\*** (\*Georgia 2017)
    - Most CPs are currently reporting some/all data Tab 1 - 5
  - **Emergency oil stocks: Obligation to start with ref month Jan 2023**
    - Stock build and emergency stock data reporting
- Via eDAMIS under the dataset: ENERGY\_MOSOIL\_M
- Data with no errors must be transmitted by the deadline
- Revisions due to data improvements and updates are accepted
- Questionnaire here: <https://ec.europa.eu/eurostat/web/energy/methodology/monthly>
- Reporting instructions: [https://ec.europa.eu/eurostat/documents/Reporting\\_Instructions\\_Oil\\_Gas\\_2020.pdf](https://ec.europa.eu/eurostat/documents/Reporting_Instructions_Oil_Gas_2020.pdf)

# MOS - Information

- Considers automatically the implications due to Brexit
- Includes the changed calculation provisions: amendment (EU) 2018/1581 to the Oil Stocks Directive
- Includes changes needed due to legal interpretation developments: EnC CPs stocks location
- **New format** (*possibly starting with Jan 2023*) will have more features – the methodology for reporting will NOT change
  - > Time series, flags, graphs, helpful warnings, more internal checks, errors output sheet.
  - > You can volunteer to test its development
  - > Old format (2020.1) still usable

# The questionnaire: Table 1 – 5

Energy Statistics - Regulation (EC) No 1099/2008

# Table 1 – Table 5

- Products: 19 (plus breakdowns)
- Tables:
  - Table 1: Supply of primary fuels (and others)
  - Table 2: Supply of finished products (secondary) + Other info (Selected deliveries)
  - Table 3: Imports
  - Table 4: Exports
  - Table 5: Stocks
- Units of measure: Thousand metric tons (kilo-tonnes)

# Table 5 - Stocks

(a) All stocks on national territory (b+c+d+e+f+g+h+i) <sup>1</sup>

(b) Stocks held for other countries under official agreement

(c) Stocks with known foreign destination

(d) Stocks held in bonded areas and not included in (b) or (c)

(e) Stocks held by major consumers, obligated by law

(f) Stocks held on board incoming ocean vessels in port or at mooring

(g) Stocks held by government on national territory

(h) Stocks held by stock holding organisation on national territory

(i) All other stocks held on national territory

(j) Stocks held abroad under official agreement (o+p+q)\*

(k) Stocks held abroad designated definitely for import into your country

(l) Total stocks (a-b-c+j+k)

- Opening and closing
- Some of the closing amounts are found in Table 6 to 9

(m) Other stocks in bonded areas
(n) Pipeline fill
(o) Government stocks held abroad under official agreement*
(p) Holding organisation's stocks held abroad under official agreement*
(q) Other stocks held abroad under official agreement*

# **The questionnaire: Table 5b – 9 and calculation sheet.**

Emergency and commercial stocks - Council Directive  
2009/119/EC

# Table 5b – Table 9: Emergency and commercial stocks\* (\*read labels as EU=EnC)

- Products: 19 (plus breakdowns)
- Tables:
  - **Table 5b: European union emergency stock levels under directive 2009/119/EC**
  - **Table 5c: European union commercial stocks held by economic operators on national territory under directive 2009/119/EC**
  - **Table 6:** Closing stocks held for other countries under official agreement, by beneficiary
  - **Table 6b:** Closing stocks held for other countries under official agreement, of which held as stock tickets, by beneficiary
  - **Table 7:** Closing stocks with known foreign destination, by beneficiary
  - **Table 8:** Closing stocks held abroad under official agreement, by location
  - **Table 8b:** Closing stocks held abroad under official agreement, of which held as stock tickets, by location
  - **Table 8c:** Emergency stocks - closing stocks held abroad, of which pursuant to government / cse delegation, by location
  - **Table 9:** Closing stocks held abroad designated definitely for import into your country, by location
  - **Table: New Days equivalent calculation**

# Table 5b – European Union Emergency Stocks Levels

(EU-a) Emergency stocks (Total)	Opening
on national territory	Closing
(EU-b) Stocks held for other EU	Opening
Member States under official agreement	Closing
(EU-c) Stocks with known	Opening
foreign EU destination	Closing
(EU-g) Stocks held by government	Opening
on national territory	Closing
(EU-h) Stocks held by the Central Stockholding	Opening
Entity (CSE) on national territory	Closing
(EU-ie) Stocks held by Economic Operators	Opening
on national territory	Closing
(EU-j) Stocks held abroad in other EU	Opening
Member States under official agreement	Closing
(EU-k) Stocks held abroad in EU, designated	Opening
definitely for import into your country	Closing
(EU-l) Total Emergency Stocks held by the MS	Opening
in accordance with the EU Directive 2006/119/EC	Closing

- Directive 2009/119/EC
- Excludes non-emergency stocks
- Excludes non-EU and non-EnC
- Some differences based on definitions/requirements (c) (d) (f) (h) in Tab 5
- Opening (enter)
- Closing. If grey = calculated or linked to:
  - EU-b Table 6
  - EU-c Table 7
  - EU-j Table 8
  - EU-k Table 9



# Table 5c - European Union Commercial Stocks held by economic operators on national territory

Commercial stocks held by	Opening
Economic Operators	Closing

- Directive 2009/119/EC
- Stocks held by economic operators in the national territory for their own operational and commercial needs which can be considered available to use in case of crises.
- Enter both opening and closing

# Example of a closing stocks table: Table 6

		Crude oil	Natural gas liquids	Refinery feedstocks	Additives / oxygenates	Of which Biofuels	Other hydrocarbons	Total (A to G)
		A	B	C	D	E	F	G
Albania	1	0.000	0.000	0.000	0.000	0.000	0.000	
Armenia	2	0.000	0.000	0.000	0.000	0.000	0.000	
Australia	3	0.000	0.000	0.000	0.000	0.000	0.000	
Austria	4	0.000	0.000	0.000	0.000	0.000	0.000	
Belarus	5	0.000	0.000	0.000	0.000	0.000	0.000	
Belgium	6	0.000	0.000	0.000	0.000	0.000	0.000	

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Turkey	52	0.000	0.000	0.000	0
Ukraine	53	0.000	0.000	0.000	0
United Kingdom	54	0.000	0.000	0.000	0
United States	55	0.000	0.000	0.000	0
Others	56	0.000	0.000	0.000	0
<b>Total<sup>1</sup></b>	<b>57</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0</b>
<b>Total EnC Contracting Parties</b>	<b>58</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0</b>

- Report closing stocks by country
- Same for all remaining tables: Tab 6b – Tab 9

- Total world -> Table 5 (line b)
- Total EnC -> Table 5b (line EU - b)

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

LEVEL OF DAILY NET IMPORTS OR DAILY CONSUMPTION (ANNEX I AND II OF DIRECTIVE 2009/119/EC)

**Determine Obligation based on Net Imports**  
Annex I of the Directive

*Step 1*

<b>Crude oil component (Crude oil net imports adjusted for stock changes)</b>	
Crude Oil - Residual Imports	53982 473
Crude Oil - Residual Stocks	5331 214
Crude Oil - Residual Total Stocks	7281 008
Crude Oil Imports	1540 289
Crude Oil exports of Crude Oil - Total Residual Stocks for stock change	2129 124

*Step 2*

<b>Monthly field</b>	
Monthly Gross Production	24513 242
Monthly Production	9 848
Monthly Production from Production of Crude Oil Refineries	8 008
Monthly Oil and Residual Refineries Total	62841 561
Monthly Field	9 848

*Step 3*

<b>Monthly actual consumption</b>	
Monthly Actual Consumption	1479 510
Monthly actual consumption	1479 510
Crude oil exports of Monthly actual consumption	4217 242

*Step 4*

<b>Petroleum products component (Petroleum products net imports adjusted for stock changes)</b>	
Total Petroleum Imports	52174 024
Monthly Imports	2138 147
Total Petroleum Exports	2138 148
Monthly Exports	1084 048
Total Petroleum Reserves	2479 132
Monthly Reserves	9 848
Total Product Stocks (Total)	6124 008
Monthly Production	1084 008
Monthly Residual Stocks	71 008
Monthly Consumption	928 713
Net Imports of Petroleum products adjusted for stock changes	1479 510
Crude oil exports of Monthly actual consumption	4217 242

**MS has chosen the following method for calculating the deduction for monthly oil**

*Step 5*

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

Method 1 (EnC)

Monthly Crude oil imports	14911 713
Monthly Imports	98 008
Monthly Consumption	4217 242

Method 2 (Average monthly field)

Monthly Crude oil imports	13817 914
Monthly Imports	91 114
Monthly Consumption	1246 014

Method 3 (Net actual monthly consumption)

Monthly Crude oil imports	12749 714
Monthly Imports	98 473
Monthly Consumption	1052 473

*Step 6*

Match between the Step 5 - Net Imports Approach and the Step 4 - Inland Consumption Approach that leads to the maximum obligations onto corresponding average daily figures

Monthly Net Imports	1052 473
Monthly Net Imports	98 473

**Determine Obligation based on Inland Consumption**  
Annex II of the Directive

*Step 1*

<b>Total Inland Consumption</b>	
Motor Vehicle - Gross Inland Consumption	1047 508
Aviation - Gross Inland Consumption	8 808
Domestic Road Freight - Gross Inland Consumption	8 808
Domestic Road Freight - Residual Inland Consumption	1028 473
Other - Gross Inland Consumption	488 473
Sea Borne Oil - Gross Inland Consumption	3789 408
Port Oil - Gross Inland Consumption	713 473
Refined Consumption	2419 408
Crude oil available for Inland Consumption	4217 242
Monthly Consumption	102 473
EU Inland Consumption	102 473

*Step 2*

<b>Level of Emergency Stocks in Days Equivalent (Annex III of the Directive)</b>	
<b>Annex III (a)</b>	
<i>Step 1a</i>	
<b>STOCKS - Crude Oil Component</b>	
Crude Oil and Residual Stocks	2121 014
Crude Oil Stocks available for monthly	102 473
<i>Step 1b</i>	
<b>STOCKS - Petroleum Products Component - Annex III (a)</b>	
Total Petroleum Stocks	1471 132
Monthly Stocks	9 848
Product Stocks	1471 132
Crude oil available of Petroleum Products Stocks	1246 014
<i>Step 1c</i>	
<b>STOCKS - Total Emergency Stocks - Annex III (a)</b>	
Emergency Stocks available for each following - Annex III (a)	102 473
EU Inland Consumption	102 473
<i>Step 2a</i>	
<b>Annex III (b)</b>	
<i>Step 2b</i>	
<b>STOCKS - Crude Oil Component</b>	
Crude Oil and Residual Stocks	2121 014
Crude Oil Stocks available for monthly	102 473
<i>Step 2c</i>	
<b>STOCKS - Petroleum Products Component - Annex III (b)</b>	
Motor Vehicle - Stocks	102 473
Aviation - Stocks	9 808
Domestic Road Freight - Stocks	9 808
Domestic Road Freight - Residual Stocks	463 473
Other - Stocks	9 808
Sea Borne Oil - Stocks	102 473
Port Oil - Stocks	91 114
Product Stocks	411 452
Crude oil available of Petroleum Products Stocks	1246 014
<i>Step 2d</i>	
<b>STOCKS - Total Emergency Stocks - Annex III (b)</b>	
Emergency Stocks available for each following - Annex III (b)	102 473
EU Inland Consumption	102 473

**MS is not compliant to Directive 2009/119/EC - Annex III (a) - Monthly field calculation. The net actual monthly consumption**

**MS is not compliant to Directive 2009/119/EC - Annex III (b) - Monthly field calculation. The net actual monthly consumption**

MS has chosen the following method for the reporting year:

Method 1 (EnC)  Method 2 (EU)

**EMERGENCY STOCKS IN DAYS EQUIVALENT**  
Values from Line 44 or Line 54 according to MS selection of the Annex III approach

Emergency Stocks	102 473
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**MS is compliant to Directive 2009/119/EC**

# Table: New Days Equivalent Calculation

- To aid the calculation for compliance to the emergency oil stocks holding directive.
- Calculation of obligations AND qualifying stocks levels
- Applies to EU MS
- Applies to EnC contracting parties (from reporting month Jan 2023 or before on a voluntary bases).

# Table: New Days Equivalent Calculation - Top part: Determining the obligations

**LEVEL OF DAILY NET IMPORTS OR DAILY CONSUMPTION (ANNEX I AND II OF DIRECTIVE 2009/119/EC)**

**Determine Obligation based on Net Imports  
Annex I of the Directive**



**Calculation\***

**Determine Obligation based on Inland Consumption  
Annex II of the Directive**



**Calculation\***

**\*based on Y-2 (Jan – Jun) or Y-1 (Jul - Dec)**

Deducing the naphtha yield:

1. 4%
2. the average naphtha yield
3. the net actual naphtha consumption

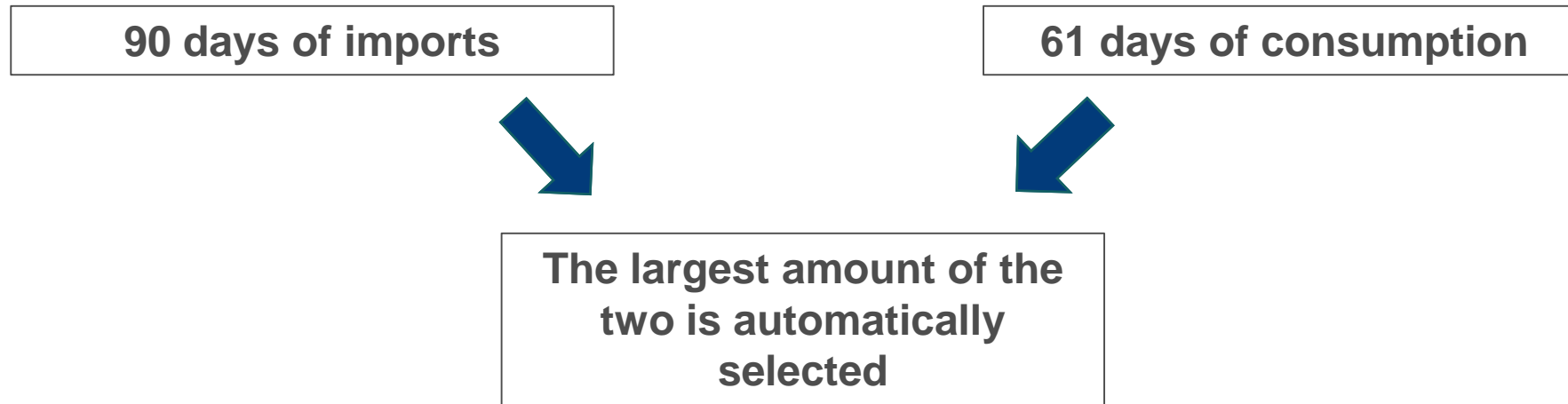


**Amount of stocks equivalent to  
90 days of imports**



**Amount of stocks equivalent to  
61 days of consumption**

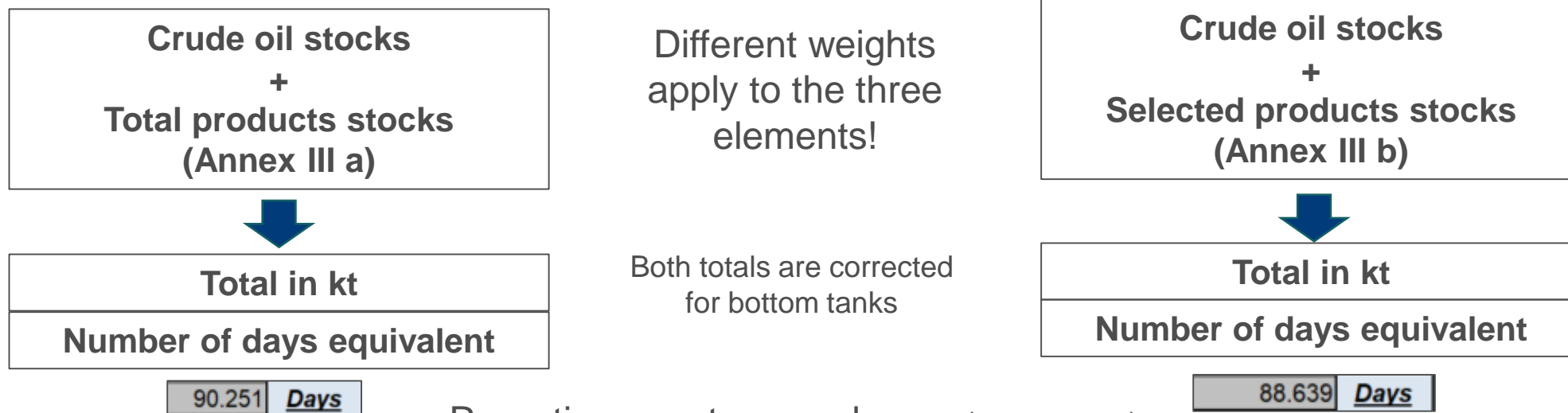
# Table: New Days Equivalent Calculation - Middle part: determining the obligations



Art 3: “whichever of the two quantities is greater”

# Table: New Days Equivalent Calculation - Bottom part: Counting the stocks

## Level of Emergency Stocks in Days Equivalent (Annex III of the Directive)



Reporting country can choose (once a year):

Method  Follow Annex III (a)  Follow Annex III (b)

MS is compliant to directive 2009/119/EC

MS is not compliant to directive 2009/119/EC

# New Days Equivalent Calculation sheet and Table 5b\_5c

Yearly figures in the Table 5b\_5c:

Sum of monthly figures for		2020
Refinery gross output		
Refinery fuel		
Imports (Balance)		
Exports (Balance)		
Refinery intake (Calculated)		
International marine bunkers		
Gross inland deliveries (Observed)		
All stocks	Opening JAN	
on national territory	Closing DEC	
Backflows to refineries		

**INPUT**

Summary and results is also displayed also in the Table 5b\_5c:

Method used for calculating the deduction for naphtha yield	29	The net actual naphtha consumption	
Minimum stock level calculated based on:	30	Net Imports	
Minimum stock level for compliance	31	8052.977	
Daily Net Imports for compliance	32	89.478	
Daily Inland Consumption for compliance	33		
Method used for calculating the emergency stocks	34	Annex III (a)	
Emergency Stocks held by the MS in accordance with the EU Directive (in Days Equivalent)	35	90.251	

**OUTPUT**

# Questions



## QUESTION 7

Reporting countries can make two choices in the Days Equivalent Calculation sheet. Which two answers are correct?

- a) 90 Days of Imports vs 61 Days of Consumption (Annex I vs Annex II)
- b) Method for deducting the Naptha yield (Method 1, 2, or 3)
- c) The components of the stocks used to comply (Annex III a vs Annex III b)



# Questions



## QUESTION 8

The level of stocks for compliance can be calculated based on:

- a) Imports of year Y-2 in the reporting months Jan-Jun.
- b) Consumption of year Y-1 in the reporting for months Jan-Jun
- c) 60 day of consumption.

# OIL STOCKS DATABASE

Oil stocks data can be found here: <https://ec.europa.eu/eurostat/web/energy/data/database>

The screenshot shows the Eurostat website interface. At the top, there is a navigation bar with the Eurostat logo, the text "Your key to European statistics", and a search bar. Below the navigation bar, there is a breadcrumb trail: "European Commission > Eurostat > Energy > Data > Database". The main content area is divided into two columns. The left column contains a sidebar menu with categories like "Overview", "Data", "Methodology", etc. The right column shows a tree view of the "Energy (nrg)" database. A red box highlights the "Stocks (nrg\_stk\_m)" folder, which contains four sub-items: "Stock levels for oil products - monthly data (nrg\_stk\_oilm)", "Oil stocks held for other countries - monthly data (nrg\_stk\_oom)", "Oil stocks held abroad - monthly data (nrg\_stk\_oam)", and "Emergency oil stocks in days equivalent - monthly data (nrg\_stk\_oem)". A red arrow points from the right side of the image towards the highlighted items.

# OIL STOCKS DATABASE

## **Table 5b = *nrg\_stk\_oilm* = Stock levels**

(EU-a) Emergency stocks (Total) on national territory

(EU-b) Stocks held for other EU Member States under official agreement

(EU-c) Stocks with known foreign EU destination

(EU-g) Stocks held by government on national territory

(EU-h) Stocks held by the Central Stockholding Entity (CSE) on national territory

(EU-ie) Stocks held by Economic Operators on national territory

(EU-j) Stocks held abroad in other EU Member States under official agreement

(EU-k) Stocks held abroad in EU, designated definitely for import into your country

(EU-l) Total Emergency Stocks held by the MS in accordance with the EU Directive 2006/119/EC

**Table 6 and 6b and 7 = *nrg\_stk\_oom* = Stocks held for other countries or with known foreign destination**

**Table 8 and 8b and 8c and 9 = *nrg\_stk\_oam* = Stocks held abroad or destined for your country**

# Questions



## QUESTION 9

Commercial stocks as defined according to Directive 2009/119/EC are reported:

- a) On a voluntary basis
- b) In Table 4
- c) If held on national territory

# Sheet: Remarks

The remarks sheet: describe important information, clarification.  
**Remember to use it!**

**Remarks MOS OIL**


# Questions



## QUESTION 10

Which of the following statement is correct?

- a) The deadline for submitting MOS oil data is 45 days after the end of the reporting period.
- b) Stock data are collected but never published by Eurostat.
- c) Data with no errors must be transmitted by the deadline.

# Validation and compliance monitoring

# MOS Data Validation

- Embedded checks, cell protection, and info.
- Automatic validation: StruVal and ConVal being implemented.
- Further content validation via email (soon via platform):
  - Intra questionnaire checks
  - Time series checks
- Easier validation with the upcoming new Excel questionnaire format

Section on methodology: <https://ec.europa.eu/eurostat/web/energy/methodology>

Validation manual and rules: [Validation manual](#)



# Compliance monitoring

Compliance with the Energy Statistics Regulation as regards the monthly oil statistics

- DG ESTAT: for EU countries
- EnC Secretariat: for contracting parties
  - Compliance monitoring issues are presented and discussed in the ENERGY STATISTICS WORKING GROUP (ESWG)

Compliance with the Oil Stocks Directive as regards the emergency oil stockholding obligations

- DG ENER: for EU countries
- EnC Secretariat: for contracting parties
  - Compliance monitoring issues are presented and discussed in the OIL COORDINATION GROUP and/or OIL FORUM

# Questions?



# Exercise

# MOS OIL – Emergency Stock data exercise

1. Word document: Scenario and data-entry questions.
2. Excel file: MOS oil, partially prefilled with data.
  - Enter in the MOS oil the remaining data described in the questions.

# Thank you

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# Solutions

Q7:  $b + c$

Q8:  $a$

Q9:  $c$

Q10:  $c$