



The MOS and COIR questionnaires

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OVERVIEW

MOS - Monthly oil statistics

- Legal bases
- MOS oil questionnaire (Tables 1 – 5)
- Emergency stocks reporting in the MOS (Tables 5b – 9)
- Validation
- Dissemination and data use

COIR – Crude Oil Imports Register

- Legal bases
- COIR reporting
- COIR info

The MOS questionnaire

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 (Commission Regulation (EU) 2019/2146 and proposed amendment (should enter into force for the EU Member States in Jan/Feb 2022))**

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:

<https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:02008R1099-20200105&from=EN>

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 modifies **Article 3: Emergency stocks — Calculating stockholding obligations**

MOS current and future 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 – Products and flows

- Products: Crude oil, NGLs, feedstocks, and several petroleum products. Also blended biofuels and H2.
- Tab 1 to Tab 5: Main flows - Regulation (EC) No 1099/2008
(Production of primary products, refinery intake and output of secondary products, flows to and from Petrochemical industry, imports and exports, international marine bunkers use, stocks in national territory, inland deliveries)
- Tab 5b to Tab 9: Emergency and commercial stocks - Council Directive 2009/119/EC
(In national territory, own emergency, held for others or by others, to be imported or exported, stocks location by countries, commercial)
- Tab: New days equivalent calculation

IMPORTANT: 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			
Table 1: SUPPLY OF CRUDE OIL, NGL, REFINERY FEEDSTOCKS, ADDITIVES AND OTHER HYDR			
	Crude oil	Natural gas liquids	Refinery feedstocks
	A	B	C
+ Indigenous production	1		
+ Receipts from other sources	2		
+ Backflows ¹	3		
+ Products transferred ²	4		
+ Imports (Balance) ³	5		
- Exports (Balance) ⁴	6		
- Direct use ⁵	7		
- Stock changes ⁶	8		
= Refinery intake (Calculated)	9	0.000	0.000
- Statistical difference	10	0.000	0.000
= Refinery intake (Observed)	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 COMMUNIT

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 gasolines	Biosolubles	Non-biosolubles	Aviation gasolines	Gasoline types jet fuel	Total kerosenes types jet fuel	Bio jet kerosenes	Non-bio jet kerosenes	Other kerosenes	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	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-g) Stocks held by governments	Opening	7																							
	Closing	8																							
(EU-h) Stocks held by the Central Stockholding Entity (CSE) in national territory	Opening	9																							
	Closing	10																							
(EU-i) Stocks held by Economic Operators	Opening	11																							
	Closing	12																							
(EU-j) Stocks held abroad in other EU Member States under official agreement	Opening	13																							
	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-k) Stocks held abroad in EU designated facilities for import into your country	Opening	15																							
	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-l) 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																								
Emergency Stocks held by the MS in accordance with the EU Directive (in <i>Days Equivalent</i>)	27																								
	28																								
Method used for calculating the deduction for naphtha yield	29																								
Minimum stock level calculated based on:	30																								
Minimum stock level for compliance	31																								
Daily Net Imports for compliance	32																								
Daily Inland Consumption for compliance	33																								
Method used for calculating the emergency stocks	34																								
Emergency Stocks held by the MS in accordance with the EU Directive (in <i>Days Equivalent</i>)	35																								
	36																								

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

MOS – Submitting data

- Deadlines for reporting: 55 days after the end of the reporting month
- **Reporting obligations for EnC CPs**
 - **Mos data: Obligation started with ref month Jan 2014*** (*Georgia 2017)
 - > **Some currently reporting some data Tab 1 - 5**
 - **Emergency oil stocks: Obligation to start with ref month Jan 2023**
 - > **Stock built and 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

MOS Questionnaire

- Considers automatically the implications due to Brexit
- Includes the changed provisions: amendment (EU) 2018/1581 to the Oil Stocks Directive
- Includes changes needed due to legal interpretation developments: EnC CPs stocks location
- Has improved consistency with the annual oil questionnaire
- Has improved IT features (SDMX)

Validation

MOS Data Validation

- Embedded checks, cell protection, and info.
- Automatic validation: Struval and Conval being implemented.
- Further content validation:
 - Intra questionnaire checks
 - Time series checks

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

Reporting instructions: [Reporting instructions MOS oil](#)

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

Data use

Dissemination and visualization

- Data are regularly published in our website.
 - The complete database is available here: <http://ec.europa.eu/eurostat/data/database>
- Visualization
 - Monthly data interactive visualization: [link](#)
- “Statistics explained” articles, news items:
 - Annual oil data article: [link](#)
 - New item - March 2020 [link](#)
 - New item - April 2020 [link](#)
 - New item - August 2020 [link](#)
 - Article on oil stocks: [link](#)

MOS OIL

MOS Oil data are used for **compliance monitoring** by the European Commission:

- DG ESTAT: compliance with the Energy Statistics Regulation as regards the **monthly oil statistics**
 - Compliance monitoring issues are presented and discussed in the ENERGY STATISTICS WORKING GROUP (ESWG)
- DG Energy: compliance with the Oil Stocks Directive as regards the **emergency oil stockholding obligations**
 - Compliance monitoring issues are presented and discussed in the OIL COORDINATION GROUP

Annual, semesterial, monthly data

Used by:

European Commission and other EU and international institutions and agencies, journalists, researchers, academia, and the private citizens.

Used to:

- Monitor policies and targets (Energy Union, European green deal, Fit for 55)
- Calculate indicators (GHG emissions, Covid recovery dashboard)
- For analysis and studies
- Re-publication
- Articles and news

The COIR Questionnaire

- Legal bases
- COIR (Crude Oil Imports Register) questionnaire
- COIR info

COIR Legal Basis

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 (Amendment 2146/2019, came into force on 1/1/2020)

ANNEX D: SHORT TERM MONTHLY STATISTICS

PARAGRAPH 2: CRUDE OIL IMPORTS AND SUPPLY

- Reporting current and future: EU Member States, European Economic Area (EEA) countries, EU candidate and potential candidate countries.

COIR - Submission

- Deadlines for reporting: one calendar month after the end of the reporting month.
- **Reporting obligations for EnC CPs: From Ref month January 2023 - proposed**
- Via eDAMIS under the dataset: ENERGY_COIR_M
- Data with no errors must be transmitted by the deadline
- Revisions due to data improvement and updates are accepted

COIR Reporting instructions:

https://ec.europa.eu/eurostat/documents/38154/42198/reporting_instructions_crude_oil.pdf/4463ea3c-4466-1f3e-66d4-0a35635b7644

COIR Questionnaire

- The COIR questionnaire - to report on a monthly basis:
 - For each crude oil type imported:
 - ✓ its API gravity (average)
 - ✓ its sulphur content (average)
 - ✓ its quantity in barrels
 - ✓ its total price in USD per barrel
 - ✓ the number of companies reporting imports of this particular type
 - The total number of companies reporting imports of crude oil
 - The total imports
 - Total production volume and weight
 - The corresponding average prices

COIR - Info

- November 2020: Decision on confidentiality rules for presenting various aggregates (EU countries).
- End of 2021: Annual aggregates for EU (+ MD, ME) will be computed and disseminated.
- End of 2023: Annual aggregates for all EnC CPs will be computed and disseminated.

Instructions can be found here:

- https://ec.europa.eu/eurostat/documents/38154/42198/reporting_instructions_crude_oil.pdf/4463ea3c-4466-1f3e-66d4-0a35635b7644

Data can be seen and downloaded:

- https://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=nrg_ti_coifpm&lang=en
- https://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=nrg_cb_cosm&lang=en

Thank you

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