By country assessment - 7th JODI Regional Training Workshop
Guide and Explanations

Reporting Organisation and reporting unit:
This report is based on data received from each country as reported to the international organisation (e.g. IEA, OPEC) mentioned in each assessment.

Timeliness
The JODI database is expected to be updated monthly. The Timeliness metric indicates whether or not submissions were received by the expected deadline. Ratings are as follows (covering a six-month period):

😊 "good" when 6 submissions were received within two months of the reporting deadline (one month for IEA countries)
😊 "fair" when 4 or 5 submissions were received within two months of the reporting deadline (one month for IEA countries)
😊 "poor" when fewer than 4 submissions were received within two months of the reporting deadline (one month for IEA countries)

Completeness
While the regular completeness assessment is based on the initial (shorter) JODI-Oil format, these assessments focused on G20 countries also reviews availability of data covered under the JODI-Oil extended format.

Reliability
Comments on JODI data reliability are based mainly on the data quality evaluation charts below, which were produced by the IEF through running internal checks on the JODI data.

- **Fig. 1 Report Supply (Crude, NGL, Other)**
  This chart helps identify data trends, missing data points and outliers of Crude oil, NGL and Other supply.

- **Fig. 2 Report Demand (Oil products)**
  This chart helps identify data trends, missing data points and outliers of Oil products demand.

- **Fig. 3 Stock data consistency (Crude+NGL+Other)**
  This chart helps identify any discrepancy between reported stock change and calculated stock change data ( = Closing stock for current month – Closing stock for prior month).

- **Fig. 4 Stock data consistency (Total oil products)**
  This chart helps identify any discrepancy between reported stock change and calculated stock change data ( = Closing stock for current month – Closing stock for prior month).

- **Fig. 5 Stock level by product**
  This chart helps identify data trends, missing data points and outliers of stock levels of all products.

- **Fig. 6 Refinery intakes/outputs comparison**
  This chart compares the amounts of refinery intakes and outputs.

  The refinery yield is calculated as: **Refinery intakes / Refinery outputs**

  **Crude oil + NGL + Other**
By country assessment - 7th JODI Regional Training Workshop
Algeria

Reporting Organisation and reporting unit: OPEC (in kbbl)

Timeliness

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Compleness

- Of the extended format (primary crude product table), NGL data are available (Fig 1).
- Of the extended format (oil product table), Naphtha are available (Fig. 5, 6).

Reliability

- Sudden increase of stock level since Jan. 2010 (Revision/Metadata may be required) (Fig. 5).
- There are high statistical differences in comparison between reported figures and calculated figures (refinery intake for crude+NGL+Other and demand for oil products). This may occurred due to different reporting methodologies.
By country assessment - 7th JODI Regional Training Workshop
Azerbaijan

Reporting Organisation and reporting unit: UNSD (in kmt)

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=Good, =Fair, =Poor

Completeness
- Of the extended format (primary crude product table), no data reported on NGL and Other (Fig. 1, 3, 5).
- Of the extended format (oil product table), some flows of Naphtha and Jet kerosene are available (Fig. 2, 5, 6).

Reliability
- While there are no NGL data available to assess accurately Refinery intakes/outputs comparison, the refinery yield seems highly volatile ranging from 86% to 110% of inputs(Fig. 6).
By country assessment - 7th JODI Regional Training Workshop

**Egypt**

**Reporting Organisation and reporting unit:** UNSD (in kilo metric tons)

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### Completeness

- Of the extended format (primary crude product table), no data reported on NGL and Other (Fig. 1)
- Of the extended format (oil product table), Naphtha and Jet kerosene data are available (Fig. 6)
- There is no stock data available (Fig. 3, 4, 5).

### Reliability

- Apparent over reporting of Other products demand between Dec. 2009 and Feb. 2010 (Fig. 2).

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**Fig. 1 Reported Supply (Crude, NGL, Other)**

**Fig. 2 Reported Demand (Oil products)**

**Fig. 3 Stock data consistency (Crude only)**

**Fig. 4 Stock data consistency (Total oil products)**

**Fig. 5 Stock level by product**

**Fig. 6 Refinery intakes/outputs comparison**
By country assessment - 7th JODI Regional Training Workshop
Iran

Reporting Organisation and reporting unit: OPEC (in kbbl)

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Completeness

- No additional data points covered in the extended format is reported (Fig. 1, 2, 6).
- Only Stock changes data of Crude oil are available (Fig. 3, 4, 5).

Reliability

- Available data are reported consistency while the limited data availability unable to make further verification.
Reporting Organisation and reporting unit: OPEC (in kbbl)

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**Completeness**
- Of the extended format (primary crude product table), only NGL production data are available (Fig. 1).
- Of the extended format (oil product table), there is no additional data point available (Fig. 2, 5, 6).

**Reliability**
- There are inconsistency between calculated and reported stock changes data for the latest month (Fig. 3, 4).
- Occasional but apparent inconsistency in the comparison between Refinery intakes and outputs (Fig. 6).
- There are occasional high statistical differences (above 10%) in comparison between reported figures and calculated figures (refinery intake for crude+NGL+Other and demand for oil products).
**By country assessment - 7th JODI Regional Training Workshop**

**Libya**

**Reporting Organisation and reporting unit:** OPEC (in kbbl)

**Timeliness**
Data submission from Libya has been suspended since October 2011.

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**Completeness**
- Of the extended format (primary crude product table), there is no additional data point available (Fig. 1).
- Of the extended format (oil product table), some Naphtha data are available (Fig. 2, 6).
- Stock levels as well as Stock change data are not available (Fig. 3, 4, 5).

**Reliability**
- Although data are incomplete to calculate correct statistical difference, there are very high statistical differences in comparison between reported figures and calculated figures (refinery intake for crude+NGL+Other and demand for oil products).

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**Fig. 1 Reported Supply (Crude, NGL, Other)**

**Fig. 2 Reported Demand (Oil products)**

**Fig. 3 Stock data consistency (Crude+NGL+Other)**

**Fig. 4 Stock data consistency (Total oil products)**

**Fig. 5 Stock level by product**

**Fig. 6 Refinery intakes/outputs comparison**

Data not available

*Calculated stock change = closing level – opening level

**Crude oil + NGL + Other**
Reporting Organisation and reporting unit: UNSD (in kmt)

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Completeness
- Of the extended format (primary crude product table), some Other data are available (Fig. 6).
- Of the extended format (oil product table), some Naphtha and Jet kerosene data are available (Fig. 6).
- Concerning stock data, only crude oil stock changes/levels data and occasional oil products’ data are available (Fig. 3, 4, 5).

Reliability
- Apparent inconsistency in Refinery intakes/outputs comparison at the beginning (Fig. 6).
Reporting Organisation and reporting unit: OPEC (in kbbl)

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Completeness

- Of the extended format (primary crude product table), there is no additional data point available (Fig. 1).
- Of the extended format (oil product table), Naphtha data are available (Fig. 5, 6).

Reliability

- Reporting issue of LNG due to production of LPG which is solely reported under Refinery outputs (Fig. 6).

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**Fig. 1 Reported Supply (Crude, NGL, Other)**

**Fig. 2 Reported Demand (Oil products)**

**Fig. 3 Stock data consistency (Crude+NGL+Other)**

**Fig. 4 Stock data consistency (Total oil products)**

**Fig. 5 Stock level by product**

**Fig. 6 Refinery intakes/outputs comparison**

Reporting issue with LPG
By country assessment on G20 countries
Saudi Arabia

Reporting Organisation and reporting unit: OPEC (in kbbl)

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Completeness
- Of the extended format (primary crude product table), no data reported on NGL and Other (Fig 1).
- Of the extended format (oil product table), only Export data of Naphtha is available (Fig 2).

Reliability
- Apparent change in the level of Oil products Refinery outputs as of Jan 2011 (Fig. 6). Metadata and/or revision of the historical data would be helpful in the event there have been changes to the reporting methodology.

Fig. 1 Reported Supply (Crude, NGL, Other)

Fig. 2 Reported Demand (Oil products)

Fig. 3 Stock data consistency (Crude+NGL+Other)

Fig. 4 Stock data consistency (Total oil products)

Fig. 5 Stock level by product

Fig. 6 Refinery intake/outputs comparison

=Good, ☺=Fair, ☹=Poor

*Calculated stock change = closing level – opening level

**Crude oil + NGL + Other
By country assessment - 7th JODI Regional Training Workshop
Tunisia

Reporting Organisation and reporting unit: UNSD (in kmt)

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Completeness

- Of the extended format (primary crude product table), some NGL data are available (Fig. 1)
- Of the extended format (oil product table), some Naphtha and Jet kerosene data are available (Fig. 5, 6)

Reliability

- Apparent inconsistency in comparison between reported and calculated stock changes (Fig. 3, 4).

Fig. 1 Reported Supply (Crude, NGL, Other)

Fig. 2 Reported Demand (Oil products)

Fig. 3 Stock data consistency (Crude only)

Fig. 4 Stock data consistency (Total oil products)

Fig. 5 Stock level by product

Fig. 6 Refinery intakes/outputs comparison
By country assessment - 7th JODI Regional Training Workshop

UAE

Reporting Organisation and reporting unit: OPEC (in kbbl)

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いただいて = Good, ☒=Fair, ☒=Poor

Completeness

- Of the extended format (primary crude product table), there NGL production and trade data are available (Fig. 1).
- Of the extended format (oil product table), Naphtha refinery output and trade data are available (Fig. 6).
- Only crude oil stock changes and level data are available (Fig. 3).
- As it is noted in the country note, UAE data covers only Abu Dhabi. Considering the country’s rapid economic growth, data from other Emirs are becoming increasingly important.

Reliability

- Over 200% refinery yield apparently due to amount of missing refinery intakes (Fig. 6)
By country assessment - 7th JODI Regional Training Workshop
Ukraine

Reporting Organisation and reporting unit: UNSD (in kmt)

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Completeness
- Of the extended format (primary crude product table), some NGL production data are available (Fig. 1).
- Of the extended format (oil product table), no additional data are available (Fig. 2, 5, 6).
- Limited oil products demand data (Fig. 2).

Reliability
- Apparent inconsistency in comparison between refinery intakes and outputs (Fig. 6).