Compliance indicators for statistical data provided by ICO Members
Reporting requirements according to the Rules on Statistics

**Exporting Members**

*Monthly*
1. Preliminary totals of monthly exports
2. Report on exports
3. Report on imports
4. Certificates of Origin
5. Prices paid to growers
6. Retail prices

*Annual*
7. Opening stocks
8. Production
9. Domestic consumption
10. Crop percentage distribution
11. Area under coffee

**Importing Members**

*Monthly*
1. Imports
2. Re-exports
3. Retail prices

*Annual/Quarterly*
4. Roastings
5. Inventories
Use of new compliance indicators

- Compliance would be measured on a scale from 0 to 100 with 100 indicating full compliance.

- The following indicators would be published in an annual Compliance Report for the most recently completed coffee year:
  - Total for both importing and exporting Members
  - Total for all exporting Members
  - Total for all importing Members
  - Individual score for each Member
Basic dimensions of compliance for indicator

1. Timeliness: Are reports submitted on time?
   - On time = 1
   - Late submission = 0

2. Completeness: Are individual reports provided?
   - Report provided = 1
   - Report not provided = 0
Compliance
Individual exporting Members

Score_{ie} = \sum_{n=1}^{\text{number of reports}} \left( \frac{1}{11} \times \text{Certificates of Origin} + \frac{1}{11} \times \text{Preliminary exports} + \frac{1}{11} \times \text{Exports} + \frac{1}{11} \times \text{Opening stocks} + \frac{1}{11} \times \text{Production} \right)

Annual

Certificates of Origin
Preliminary exports
Exports
Opening stocks
Production

Monthly

Certificates of Origin
Certificates of Origin
Certificates of Origin
... ...

Certificates of Origin
Certificates of Origin
Certificates of Origin
... ...

Certificates of Origin
Certificates of Origin
... ...

Certificates of Origin
Certificates of Origin
... ...

Annual reports
Opening stocks / Production / Domestic consumption / Crop percentage distribution / Area under coffee

Monthly reports
Certificates of Origin / Preliminary exports / Exports / Imports / Prices paid to growers / Retail prices

n = number of reports
ie = exporting country
Example: Exporting Member A

<table>
<thead>
<tr>
<th></th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>.5</td>
<td>.5</td>
<td>1</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td>.5</td>
<td>1</td>
</tr>
<tr>
<td>C</td>
<td>T</td>
<td>C</td>
<td>T</td>
<td>C</td>
<td>T</td>
<td>T</td>
<td>T</td>
<td>T</td>
<td>T</td>
<td>T</td>
<td>T</td>
<td>C</td>
</tr>
</tbody>
</table>
| 1        | 1       | 1        | 1        | 1       | 0        | 1     | 0     | 1   | 0    | 1    | 0      | 1         | 1         | 1
Example: Exporting Member A - Continued

<table>
<thead>
<tr>
<th>Certificates of Origin</th>
<th>Preliminary exports</th>
<th>Exports</th>
<th>Price to growers</th>
<th>Imports</th>
<th>Retail prices</th>
<th>Opening stocks</th>
<th>Production</th>
<th>Domestic consumption</th>
<th>Crop % distribution</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>.71</td>
<td>.71</td>
<td>.92</td>
<td>.71</td>
<td>.71</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total score exporting Member A**

\[0.705 \times 100 = 70.5\]
Compliance
Group of exporting Members

\[
Score_e = \frac{\sum_{i}^{n} Score_{ie}}{n}
\]

\(n\) = number of exporting Members
\(ie\) = Exporting country
Importing Members

Annual

Imports

Retail prices

1/5

Score

1/5

n = number of reports
ii = Importing Member

Monthly

Imports

January

Compliance × 1/2
Timeliness × 1/2

Imports

February

Imports

March

Imports

... ... ... ... ... ... ...

Imports

Completeness

0/1

Imports

Timeliness

0/1

Monthly reports
Imports & re-exports / Retail prices

Monthly reports
Roastings / inventories

Roastings

Inventories

1/2

1/2

Roastings

Completeness

0/1

Roastings

Timeliness

0/1

Annual reports
Roastings / inventories

x 1/2+

x 1/2

x 1/2
Compliance

Group of importing Members

\[ \text{Score}_i = \frac{\sum_{i}^{n} \text{Score}_{ii}}{n} \]

\( n = \text{number of importing Members} \)

\( ii = \text{Importing Members} \)
Compliance
Aggregated for all ICO Members

\[ \text{Score}_{total} = \frac{\text{Score}_e + \text{Score}_i}{2} \]