



Statistics Committee
15th Meeting
19 September 2018
London, United Kingdom

**New indicator for Members' compliance
with the Rules on Statistics**

Background

1. The Programme of Activities for the Organization for coffee year 2017/18 ([ICC-120-12](#)) was approved by the Council during its 120th Session in September 2017 and covers the activities to be undertaken in order to achieve the Organization's Strategic Goals. One of the expected outputs under strategic goal one (Delivering world-class data, analysis and information to the industry and policy-makers) was to develop new indicators measuring Members' compliance with the Rules on Statistics.
2. New indicators will be used to replace previous reports on Member compliance, allowing Members to quickly ascertain compliance both at the overall level as well as at the country level. This information will also enable the ICO to identify areas for improving compliance and thus, the overall quality of the ICO statistical database and compare better performance over time. The previous reports had compliance information presented in multiple spreadsheets, whereas the new indicators assign a single number to a country, which will be aggregated to a score for each group (importing, exporting or global).
3. The methodology for the new indicator and a sample calculation is contained in the attached slides.
4. The first report based on the new compliance indicators will be presented to the Statistics Committee at the time of the 123rd Council Session.

Action

4. The Statistics Committee is requested to note this report.

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

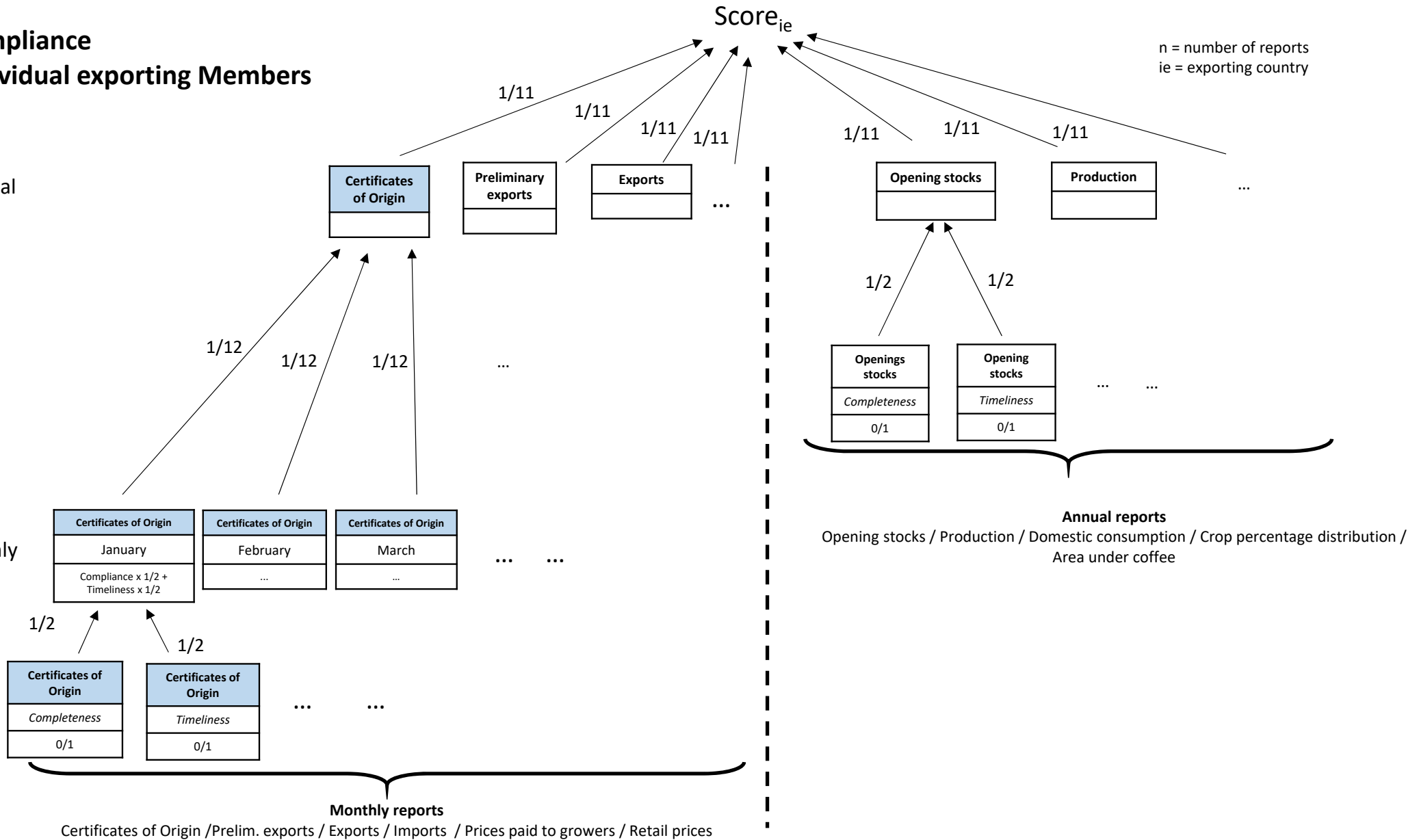
Compliance Individual exporting Members

Score_{ie}

n = number of reports
ie = exporting country

Annual

Monthly



Monthly reports

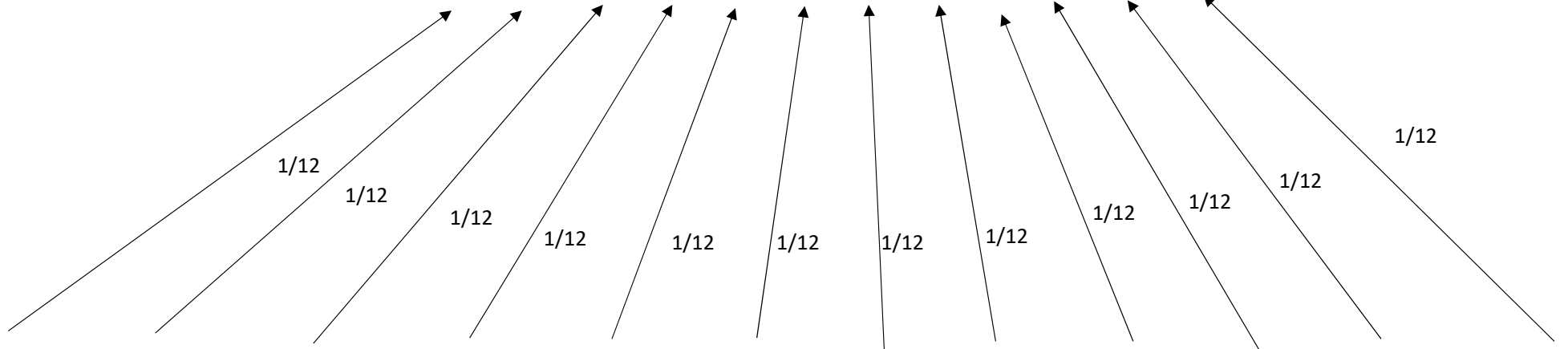
Certificates of Origin / Prelim. exports / Exports / Imports / Prices paid to growers / Retail prices

Annual reports

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

Example: Exporting Member A

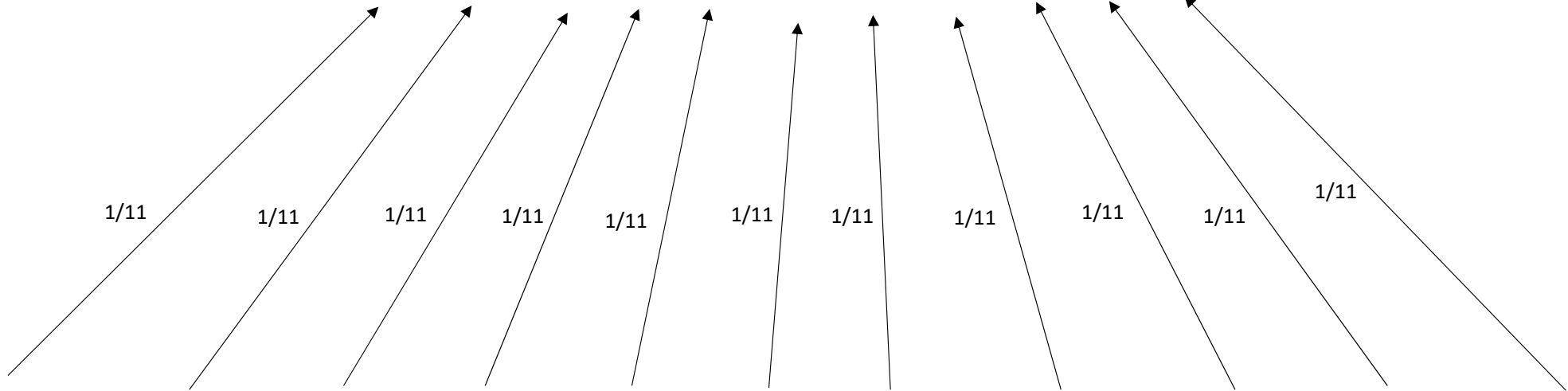
2016/17 Certificates of Origin											
.71											
.08	.08	.04	.04	.08	.04	.04	.04	.04	.04	.08	.08



October		November		December		January		February		March		April		May		June		July		August		September	
1		1		.5		.5		1		.5		.5		.5		.5		.5		1		1	
C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T	C	T
1	1	1	1	1	0	1	0	1	1	1	0	1	0	1	0	1	0	1	0	1	1	1	1

Example: Exporting Member A - Continued

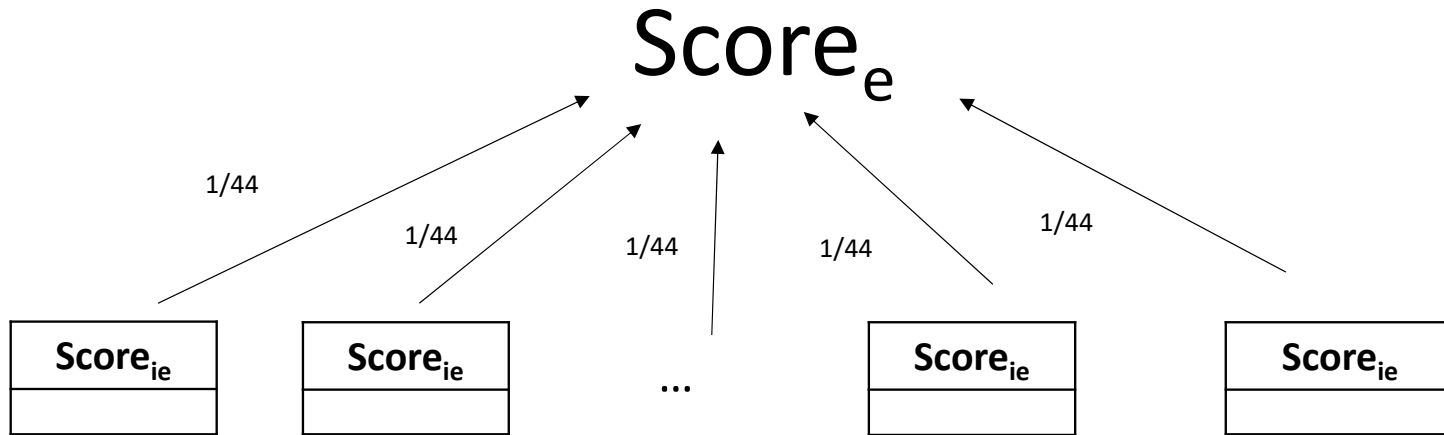
Total score exporting Member A										
0.705 * 100 = 70.5										
.06	.06	.08	.06	.06	0	.09	.09	.09	.09	.09



Certificates of Origin	Preliminary exports	Exports	Price to growers	Imports	Retail prices	Opening stocks	Production	Domestic consumption	Crop % distribution	Area
.71	.71	.92	.71	.71	0	1	1	1	0	1

Compliance

Group of exporting Members



$$Score_e = \frac{\sum_i^n Score_{ie}}{n}$$

n = number of exporting Members
ie = Exporting country

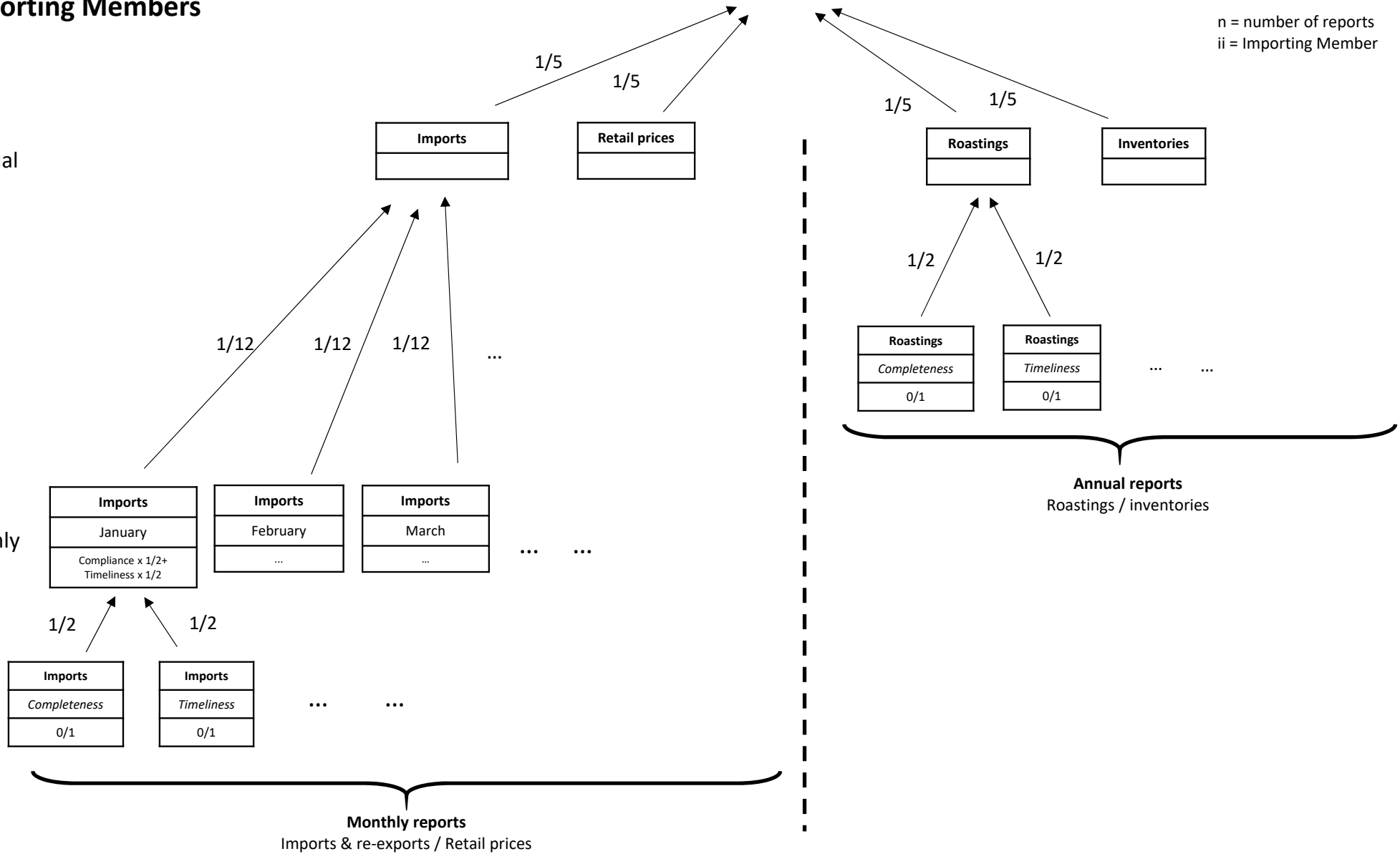
Importing Members

Score_{ij}

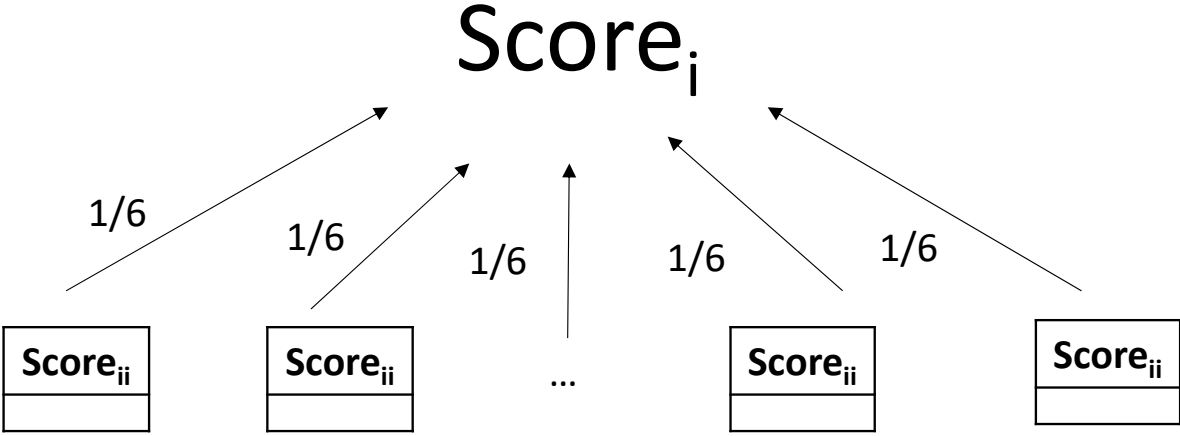
n = number of reports
ii = Importing Member

Annual

Monthly



Compliance
Group of importing Members



$$Score_i = \frac{\sum_i^n Score_{ii}}{n}$$

n = number of importing Members
ii = Importing Members

Compliance
Aggregated for all ICO Members

$$Score_{total} = \frac{Score_e + Score_i}{2}$$

