



Brussels, **XXX**
[...] (2020) **XXX** draft

ANNEX 1

ANNEX

to the

Commission Implementing Decision

laying down rules for the calculation, verification and reporting of data on the separate collection of single use plastic beverage bottles

ANNEX I

FORMULAS FOR THE CALCULATION OF THE AMOUNT OF SEPARATELY COLLECTED WASTE SINGLE-USE BOTTLES

$$A_{SCB} = (W_{SCB \text{ apart}} + W_{SCB \text{ blended}}) / (W_{BPM} + W_{EWG}) * 100\%$$

Where:

- A_{SCB} means the amount of separately collected for recycling waste single-use bottles as referred to in Article 1
- $W_{SCB \text{ apart}}$ means the weight of waste single-use bottles collected separately for recycling from any other waste in accordance with Article 2(4), point (a)
- $W_{SCB \text{ blended}}$ means the weight of waste single-use bottles collected separately for recycling together with other wastes in accordance with Article 2(4), point (b)
- W_{BPM} means the weight of single-use bottles placed on the market as referred to in Article 3(1) and (2)
- W_{EWG} means the weight of single-use bottles placed on the market and determined on the basis of the weight of the waste generated by such products as referred to in Article 3(3)

$$W_{BPM} = W_{BPM \text{ gross}} - W_{B \text{ out}} + W_{B \text{ in from other MS or imported}}$$

- $W_{BPM \text{ gross}}$ means the weight of single-use bottles placed on the market as referred to in Article 3(1)
- $W_{B \text{ out}}$ means the weight of single-use bottles placed on the market that have been exported or moved to other Member States by operators or by natural persons for their own personal use as referred to in Article 3(2)
- $W_{B \text{ in}}$ means the weight of single-use bottles placed on the market that have been imported or received from other Member States by operators or by natural persons for their own personal use as referred to in Article 3(2)

$$W_{B\ out} = W_{B\ out\ moved\ to\ other\ MS} + W_{B\ out\ exp} + W_{B\ out\ moved\ to\ other\ MS\ by\ natural\ persons} + W_{B\ out\ by\ natural\ persons}$$

$W_{B\ out\ moved\ to\ other\ MS}$ means the weight of single-use bottles placed on the market that have been moved to other Member States by operators

$W_{B\ out\ exp}$ means the weight of single-use bottles placed on the market that have been exported by operators

$W_{B\ out\ moved\ to\ other\ MS\ by\ natural\ persons}$ means the estimated weight of single-use bottles placed on the market that have been moved from other Member State by natural persons for their own personal use

$W_{B\ out\ by\ natural\ persons}$ means the estimated weight of single-use bottles placed on the market that have been exported by natural persons for their own personal use

$$W_{B\ in} = W_{B\ in\ from\ other\ MS} + W_{B\ in\ imported} + W_{B\ in\ moved\ from\ other\ MS\ for\ personal\ use} + W_{B\ in\ for\ personal\ use}$$

$W_{B\ in\ from\ other\ MS}$ means the weight of single-use bottles placed on the market that have been received from other Member States by operators

$W_{B\ in\ imported}$ means the weight of single-use bottles placed on the market that have been imported by operators

$W_{B\ in\ moved\ from\ other\ MS\ by\ natural\ persons}$ means the estimated weight of single-use bottles placed on the market that have been moved from other Member State by natural persons for their own personal use

$W_{B\ in\ by\ natural\ persons}$ means the estimated weight of single-use bottles placed on the market that have been imported by natural persons for their own personal use

$$W_{EWG} = TW_{SCB} + W_{other\ SCB} + W_{MSW} + W_{Litter}$$

TW_{SCB} means the weight of waste single-use bottles collected separately for recycling in accordance with the requirements set out in Article 2(4), points (a) and (b) as referred to in Article 3(3), point (a)

$W_{other\ SCB}$ means the weight of waste single-use bottles collected separately for recycling not in accordance with the requirements set out in Article 2(4), points (a) and (b) as referred to in Article 3(3), point (a)

W_{MSW} means the weight of waste single-use bottles collected as mixed municipal waste as referred to in Article 3(3), point (b)

W_{Litter} means the weight of littered waste single-use bottles as referred to in Article 3(3), point (c)

ANNEX II
FORMAT FOR THE REPORTING OF DATA

I. Format for reporting of data calculated based on the methodology set out in Article 3

TABLE 1 - Weight of single-use bottles placed on the market calculated in accordance with Article 3 (in tonnes)	
COUNTRY:	
REFERENCE YEAR:	
Weight of single-use bottles in tonnes calculated in accordance with Article 3(1)	
Weight of single use bottles placed on the market ⁽¹⁾	
Adjustment of the weight of single-use bottles calculated in accordance with Article 3(2)	
Weight of single use bottles placed on the market that have been imported by operators ⁽²⁾	
Weight of single use bottles placed on the market that have been received from other Member States by operators ⁽³⁾	
Weight of single use bottles placed on the market that have been exported by operators ⁽⁴⁾	
Weight of single use bottles placed on the market that have been moved to other Member States by operators ⁽⁵⁾	
Estimated weight of single use bottles placed on the market that have been exported by natural persons for their own personal use ⁽⁶⁾	
Estimated weight of single use bottles placed on the market that have been imported by natural persons for their own personal use ⁽⁷⁾	
Estimated weight of single use bottles placed on the market that have been moved to other Member State by natural persons for their own personal use ⁽⁸⁾	
Estimated weight of single use bottles placed on the market that have been moved from other Member State by natural persons for their own personal use ⁽⁹⁾	
Weight of single use bottles placed on the market adjusted ⁽¹⁰⁾	
Weight of single-use bottles placed on the market determined on the basis of the weight generated from such products calculated in accordance with Art 3(3)	

Weight of waste single-use bottles collected separately for recycling in accordance with the requirements set out in Article 2(4)(a) and (b) as referred to in Article 3(3) ⁽¹¹⁾	
Weight of waste single use bottles collected separately not in accordance with the requirements set out in Article 2(4)(a) and (b) as referred to in Article 3(3)(a) ⁽¹²⁾	
Weight of waste single-use bottles collected as mixed municipal waste ⁽¹³⁾	
Weight of littered waste single-use bottles ⁽¹⁴⁾	

Notes:

Dark shaded boxes: Reporting is voluntary

⁽¹⁾ Calculated in accordance with Article 3(1). ($W_{BPM\ gross}$)

⁽²⁾ Calculated in accordance with Article 3(2). ($W_{B\ in\ imported}$)

⁽³⁾ Calculated in accordance with Article 3(2). ($W_{B\ in\ from\ other\ MS}$)

⁽⁴⁾ Calculated in accordance with Article 3(2). ($W_{B\ out\ exp}$)

⁽⁵⁾ Calculated in accordance with Article 3(2). ($W_{B\ out\ moved\ to\ other\ MS}$)

⁽⁶⁾ Calculated in accordance with Article 3(2). ($W_{B\ out\ by\ natural\ persons}$)

⁽⁷⁾ Calculated in accordance with Article 3(2). ($W_{B\ in\ by\ natural\ persons}$)

⁽⁸⁾ Calculated in accordance with Article 3(2). ($W_{B\ out\ moved\ to\ other\ MS\ by\ natural\ persons}$)

⁽⁹⁾ Calculated in accordance with Article 3(2). ($W_{B\ in\ moved\ from\ other\ MS\ by\ natural\ persons}$)

⁽¹⁰⁾ Calculated in accordance with Article 3(2). (W_{BPM})

⁽¹¹⁾ Calculated in accordance with Article 3(3), point (a). (TW_{SCB})

⁽¹²⁾ Calculated in accordance with Article 3(3), point (a). ($W_{other\ SCB}$)

⁽¹³⁾ Calculated in accordance with Article 3(6), point (b). (W_{MSW})

⁽¹⁴⁾ Calculated in accordance with Article 3(6), point (c). (W_{Litter})

II. Format for reporting of data calculated based on the methodology set out in Article 2(4)

TABLE 2 - Weight of separately collected for recycling waste single-use bottles calculated in accordance with Article 2(4) (in tonnes)	
COUNTRY:	
REFERENCE YEAR:	
a) Weight of waste single use bottles collected separately from any other waste ⁽¹⁾	
b) Weight of waste single use bottles collected together with other wastes ⁽²⁾	

Notes:

⁽¹⁾ Calculated in accordance with Article 2(4), point (a). ($W_{SCB\ apart}$)

⁽²⁾ Collected together with other waste packaging fractions of municipal waste or with other non-hazardous, non-packaging plastic, metal, paper or glass fractions of municipal waste collected separately for recycling and calculated in accordance with Article 2(4), point (b). ($W_{SCB\ blended}$)

ANNEX III
FORMAT FOR THE QUALITY CHECK REPORT

I. General Information

1.1. Member State:	
1.2. Organisation submitting the data and the description:	
1.3. Contact name:	
1.4. Contact email address:	
1.5. Contact phone number:	
1.6. Reference year:	
1.7. Delivery date / version:	
1.8. Link to data publication by the Member State (if any):	

II. Description of the institutions involved in the data collection

Name of institution	Description of key responsibilities

Add rows as appropriate.

III. Description of methods used

3.1. Single-use bottles placed on the market (Annex II, Table 1)

3.1.1. Description of the methodology for surveys and composition analysis

Where the weight of single-use bottles placed on the market is determined based on the weight of the waste generated from such products, a description of the methodology used for the sampling and the waste composition analysis referred to in Article 4.

	Methodology used	Factors reflected
Waste single-use bottles collected as mixed municipal waste		
Waste single-use bottles disposed of as litter		

3.1.2. Description of any significant inconsistencies between the weight of single-use bottles placed on the market and the weight of packaging waste generated or any other related issues

Where appropriate, a description of corrective measures planned or taken.

Add rows as appropriate

3.2. Information on separately collected waste single-use bottles (Annex II, Table 2)

3.2.1. Description of the methods and sources for determining the weight of separately collected waste single-use bottles

Explain the practices that are taken into account for calculating the share of separately collected waste single-use bottles, and the methods for determining that waste single-use bottles collected together with other waste are of comparable quality to waste single-use bottles collected separately from any other waste. Include the documentation of the quality assurance systems and of the third party verification that are set up by the waste operators to verify that the conditions set out in Article 2(4)(b) points (i) and (ii), are fulfilled.

Add rows as appropriate

IV. Data verification and control system

4.1 Verification of data on separately collected waste single-use bottles

Verification and control procedures	Applied for data on					Additional comments, if relevant
	Single-use bottles placed on the market (yes/no)	Waste single-use bottles (yes/no)	Waste single-use bottles collected separately from other waste as referred	Waste single-use bottles collected together with other waste as referred	Adjustment to account for other materials captured by separate collection, that are not part of the single-use bottles (¹)	

			to in Article 2(4), point (a) (yes/no)	to in Article 2(4), point (b) (yes/no)	(yes/no)	
Data completeness checks						
Cross-checks						
Time-series checks						
Audit checks						
Other (specify)						

⁽¹⁾ Labels, adhesives, residues of beverages that the bottles contained and any other material that is not part of the single-use bottle or of its caps and lids.

4.2 Description of main factors affecting the accuracy of the data reported on waste single-use bottles, single-use bottles placed on the market and/or waste single-use bottles separately collected

Potential factors affecting reliability of data	Factors			Description of how the accuracy of data is affected and which methodologies have been applied to minimise the impact of inaccurate data
	Single-use bottles placed on the market (yes/no)	Waste single-use bottles (yes/no)	Waste single-use bottles separately collected (yes/no)	
Sampling errors ⁽¹⁾ (e.g. coefficients of variation)				
Coverage errors ⁽²⁾ (e.g. de-minimis rules, regional coverage)				
Measurement errors ⁽³⁾ (e.g. measurement unit, material that is not part of an empty single-use bottle including its caps and lids)				
Data collection test				

Potential factors affecting reliability of data	Factors			Description of how the accuracy of data is affected and which methodologies have been applied to minimise the impact of inaccurate data
	Single-use bottles placed on the market (yes/no)	Waste single-use bottles (yes/no)	Waste single-use bottles separately collected (yes/no)	
instruments ⁽⁴⁾ (e.g. testing of questionnaires)				
Processing errors ⁽⁵⁾ (e.g. identification of errors, correction of errors)				
Non-response errors ⁽⁶⁾				
Model assumption errors ⁽⁷⁾				
Other (please specify)				

⁽¹⁾ Describe the estimated coefficients of variation and the methodologies applied for variance estimation.

⁽²⁾ Describe the type and size of coverage errors.

⁽³⁾ Describe the instruments to reduce potential risks and avoid errors.

⁽⁴⁾ Describe the instruments and methodologies applied to secure quality and relevant data collection instruments.

⁽⁵⁾ Describe the processing steps between data collection and production of statistics and list any processing errors identified and their extent.

⁽⁶⁾ Describe the unit and item non-response rates for the main variables and the imputation methods (if any).

⁽⁷⁾ Describe the type and size of model assumption errors.

4.3 Explanation of the scope and validity of surveys to collect data on waste single-use bottles, single-use bottles placed on the market and or waste single-use bottles separately collected

Add rows as appropriate

4.4 Differences in the data reported for the previous reference years

Significant methodological changes in the calculation method used for the current reference year in relation to the calculation method used for previous reference years, if any (in particular retrospective revisions, their nature and whether a break in the series has to be flagged for a certain year).

Add rows as appropriate

4.5 Explanation for the difference in tonnage

Where the reported data shows a greater than 10 % variation in relation to the data submitted for the previous reference year.

Reasons for the difference or the underlying cause for the differences in the component of waste single-use bottles, single-use bottles placed on the market and/or waste single-use bottles separately collected.

Waste single-use bottles, single-use bottles placed on the market and/or waste single-use bottles separately collected	Variation (%)	Main reason for variation

Add rows as appropriate

V. Confidentiality

Justification for the request to withhold the publication of certain data in this report, together with a list of the specific parts requested to be withheld.

VI. Main national websites, reference documents and publications

Name and url of the main websites, reference documents and publications related to this data collection.

Add rows as appropriate