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EUROPEAN
COMMISSION

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

DATA ON SEPARATE COLLECTION OF SINGLE-USE PLASTIC BEVERAGE BOTTLES AND WASTE SINGLE-USE PLASTIC BEVERAGE BOTTLES REFERRED TO IN ARTICLE 7(1)

A. FORMAT FOR THE REPORTING OF DATA

1. Format for reporting on the separate collection target based on the **weight** of single-use plastic beverage bottles placed on the market

1	2
	(tonnes)
Total weight of single-use plastic beverage bottles placed on the market (<i>PoMPBB</i>) ⁽¹⁾	
Weight of single-use plastic beverage bottles produced in the Member State (<i>ProdPBB</i>) ⁽¹⁾	
Weight of single-use plastic beverage bottles imported to the Member State (<i>ImpPBB</i>) ⁽¹⁾	
Weight of single-use plastic beverage bottles exported from the Member State (<i>ExpPBB</i>) ⁽¹⁾	
Weight of waste single-use plastic beverage bottles collected in accordance with Article 1(2)(a) (<i>SCPBBpom</i>)	

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Weight of waste single-use plastic beverage bottles collected in accordance with Article 1(2)(b) (CSC_{PBBpom})	
Total weight of waste single-use plastic beverage bottles separately collected in accordance with Article 1(2) originating from single-use plastic beverage bottles and whose weight was determined by the weight of bottles placed on the market ($TWSC_{PBBpom}$)	
3	4
	(%)
Share of waste single-use plastic beverage bottles separately collected for the purpose of recycling in respect to the weight of single-use plastic beverage bottles placed on the market (SSC_{PBBpom})	

(¹) This data shall include the total of the weight referred to in Article 2(2).

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2. Format for reporting on the separate collection target based on the **weight** of waste single-use plastic beverage bottles generated

1	2
	(tonnes)
Total weight of waste single-use plastic beverage bottles generated (TWG_{PBB});	
Weight of waste single-use plastic beverage bottles based on the weight of waste single-use plastic beverage bottles generated and collected by a separate collection scheme in accordance with Article 1(2)(a) (SC_{PBBmwg})	
Weight of waste single-use plastic beverage bottles based on the weight of waste single-use plastic beverage bottles generated and collected for the purpose of recycling together with certain types of other waste in accordance with Article 1(2)(b) (CSC_{PBBmwg})	
Weight of waste single-use plastic beverage bottles based on the weight of waste single-use plastic beverage bottles generated and collected as municipal waste other than by separate collection in accordance with Article 1(2) ($TWSC_{PBBmwg}$)	
Weight of waste single-use plastic beverage bottles collected as mixed municipal waste	
Weight of waste single-use plastic beverage bottles disposed of by original waste producers outside of waste collection systems and subsequently collected (WLC_{PBB})	
Weight of waste single-use plastic beverage bottles disposed of by original waste producers outside of waste collection systems and subsequently not collected (WL_{PB})	
3	4

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	(tonnes)
Total weight of single-use plastic beverage bottles put in circulation (PiC_{PBBtm})	
Total weight of waste single-use plastic beverage bottles separately collected in accordance with Article 1(2) ($TWSC_{PBB}$)	
Share of separately collected waste single-use plastic beverage bottles based on the weight of waste single-use plastic beverage bottles generated (SSC_{PBBmwg})	

3. Format for reporting on the overall separate collection target

1	2
	(%)
Share of separately collected waste single-use plastic beverage bottles (weighted average of (A) and (B))	

B. FORMAT FOR THE QUALITY CHECK REPORT ACCOMPANYING THE DATA REFERRED TO IN PART A

I. General Information

1. Member State:
2. Organisation submitting the data and the description:
3. Contact person / contact details:

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4. Reference year:
5. Delivery date / version:
6. Link to data publication by the Member State (if any):
7. Description of the parties involved in the data collection

Name of institution	Description of key responsibilities

Add rows as appropriate.

8. Justification to withhold the publication of specific parts of this quality check report where that is required and listing of the parts that should be withheld.

II. Information on single-use plastic beverage bottles placed on the market and waste single-use plastic beverage bottles generated

1. Choice of calculation methodology used

Indication of the methodology used for the calculation of the weight of single-use plastic beverage bottles (SUPBB) placed on the market.

The selection of one methodology does not exclude that data collected under the other methodology can be used to fill data gaps and/or for verification of data.

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Article 2: Weight of SUPBB placed on the market (yes/no), if yes, for which types of plastic?	
Article 3: Weight of waste SUPBB generated ⁽²⁾ (yes/no) , if yes, for which types of plastic?	

2. Methods for determining SUPBB placed on the market or waste SUPBB generated.

Methods	Contribution to data collection			Description of methods applied
	SUPBB placed on the market (yes/no)	Waste SUPBB generated (yes/no)	Adjustment to account for other materials captured by separate collection of SUPBB ⁽¹⁾ (yes/no)	
Data from deposit return system operators				
Data from producers or organisations implementing extended producer responsibility obligations on their behalf				
Data from a central registries on SUPBB placed on the market ⁽²⁾				

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Data from waste operators				
Data from municipalities				
Surveys				
Compositional analyses				
Electronic registry				
Other sources (specify)				

⁽¹⁾ Labels, adhesives, residues of products that the bottles contained and any other material that is not part of an empty single-use plastic bottle including its caps and lids

⁽²⁾ Central registries that collect and compile data from initial distributors (e.g. producers, retailers, fillers or importers who first place a single-use plastic beverage bottle on the market)

Indicate the share of SUPBB placed on the market or waste SUPBB generated covered by the above referred used methods.

Share of SUPBB placed on the market or waste SUPBB generated covered by data sources (%)	
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3. If the share covered by the methodologies described in point II.1. is less than 100%, indicate and describe additional data sources and methodologies used to prevent and complete data gaps and to what extent data gaps are closed.

Contribution to data collection	
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Methods	SUPBB placed on the market (yes/no)	Waste SUPBB generated (yes/no)	Adjustment to account for other materials captured by separate collection of SUPBB (yes/no)	Share of SUPBB covered (%)	Additional information
Administrative reporting ⁽¹⁾					
Production statistics - PRODCOM codes ⁽²⁾					[name the codes here]
Production statistics - national codes ⁽³⁾					[name the codes here]
Foreign trade statistics ⁽⁴⁾					[name the codes here]
Tax statistics ⁽⁵⁾					
Industry statistics ⁽⁶⁾					
Others (specify)					
No additional methods used to prevent and complete data gaps					

⁽¹⁾ Information from an administration which regularly collects and collates information from enterprises or institutions. Administrative sources can be e.g. public institutions (environment agencies and other supervising authorities) and/or associations and organisations in the public sector.

⁽²⁾ PoM = production + imports – exports // For imports and exports also foreign trade statistics shall be considered as additional data source.

⁽³⁾ PoM = production + imports – exports // For imports and exports also foreign trade statistics shall be considered as additional data source.

⁽⁴⁾ Foreign trade statistics serve as additional data source for the calculation of PoM.

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⁽⁵⁾ Tax statistics serve as additional data source for the calculation of PoM.

⁽⁶⁾ Industry associations which are active in the field of packaging material are often running internal statistics on packaging materials.

4. Methods for determining SUPBB placed on the market or waste SUPBB generated with regard to certain modes of making SUPBB available on the market or disposal of SUPBB.

Specific issues considered	Description of the applied methods ⁽⁶⁾
Free riders ⁽¹⁾	
Private imports / exports ⁽²⁾	
On-line sales ⁽³⁾	
Waste single-use plastic beverage bottles present in municipal waste	
Littered SUPBB and subsequently collected ⁽⁴⁾	
Littered SUPBB and subsequently not collected	
De-minimis rules ⁽⁵⁾	
Others (specify)	

⁽¹⁾ A free rider is a producer or distributor that places SUPBB on the market but is not registered with a EPR system or any other type of compliance system.

⁽²⁾ Private imports may result international tourism.

⁽³⁾ Due to on-line sales trade additional weight of SUPBB might be placed on the market.

⁽⁴⁾ Weight littered refer to the weight of SUPBB littered but not collected.

⁽⁵⁾ De-minimis rules applied for reporting on SUPBB placed on the market.

⁽⁶⁾ including a description on how all relevant requirements of article 5 (5) to (7) are met.

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5. Description of any significant inconsistencies between the weight of plastic beverage bottles placed on the market and the amount of packaging waste generated. Where appropriate, description of corrective measures planned or taken.

6. Description of the certified quality management systems set up to verify compliance with Article 1(2)(b).

7. Description of the methods to adjust the weight of SUPBB placed on the market

Adjustments	Adjustments applied (yes/no)	Description of the applied methods to determine and apply adjustments
Inclusion of caps and lids (differentiate between caps and lids)		
Exclusion of material that is not part of an empty SUPBB including its caps and lids: labels, product contained in SUPBB		

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Sorting of single-use plastic beverage bottles and other packaging waste of the same polymer into one fraction. Determination of the quality and composition of the fraction of bottles and other packaging material.		
Other (specify)		

8. Description of methods to determine conversion factors and their application

Conversion factor	Conversion factor applied (yes/no)	Describe the variables included in the calculation of conversion factors and how these variables were calculated
Conversion factor from item to weight ⁽¹⁾		
Conversion factor from volume (litre) to weight ⁽¹⁾		
Other (specify)		

⁽¹⁾ Conversion factors shall at a minimum consider the variables "weight of different volumes of bottles"; "different materials of bottles"; and "different types of caps".

III. Information on waste single-use plastic beverage bottles separately collected

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1. Describe the practices of separate collection of waste SUPBB that are taken into account for the calculation of the share of separate collection of SUPBB and the methods that determine that SUPBB collected together with other waste achieve comparable quality to separately collected waste SUPBB, including the evidence required from waste operators

Collection practices	Contribution to SUPBB separate collection target (yes/no)	Description of the waste materials captured by the separate collection scheme	Whether the SUPBB collected together with other waste achieve comparable quality to separately collected waste SUPBB
Deposit Return Scheme			not applicable
Separate collection scheme for waste single-use plastic beverage bottles according to Article 1(2)(a) ⁽¹⁾			not applicable
Separate collection scheme according to Article 1(2)(b) for waste plastics bottles			
Separate collection scheme according to Article 1(2)(b) for certain waste plastic packaging			
Separate collection scheme according to Article 1(2)(b) for plastic waste ⁽²⁾			
Separate collection scheme according to Article 1(2)(b) capturing metal, plastic and (non-packaging) paper packaging waste			
Others (specify)			

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(¹) This includes collection of waste SUPBB separately collected in special containers for SUPBB operated by EPR systems.

(²) Collection systems also designed to capture all plastic packaging waste and similar non-packaging materials.

2. Description of the methods applied to determine that the output of recycling of waste SUPBB collected together with other waste lead to comparable quality that achieved from separately collected waste SUPBB, including technical specifications used and evidence required from waste operators. Specify separately in relation to all collection practices listed in point 1 that are being applied in a given Member State.

Add rows as appropriate

3. Methods for determining waste SUPBB separately collected, including use of and verification of compliance with technical specifications for sorted waste

Methods	Contribution to data collection			Description of methods applied
	Waste SUPBB collected separately according to Article 1(2)(a) (yes/no)	Waste SUPBB collected according to Article 1(2)(b) (yes/no)	Adjustment to account for other materials captured by separate collection of SUPBB (¹) (yes/no)	
Data from deposit return system operators				

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Data from producers or organisations implementing extended producer responsibility obligations on their behalf				
Data from a central registries on SUPBB placed on the market ⁽²⁾				
Data from waste operators				
Data from municipalities				
Surveys				
Compositional analyses				
Electronic registry				
Other methods (specify)				

⁽¹⁾ Labels, adhesives, residues of products that the bottles contained and any other material that is not part of an empty single-use plastic bottle including its caps and lids

⁽²⁾ Central registries that collect and compile data from initial distributors (e.g. producers, retailers, fillers or importers who first place a single-use plastic beverage bottle on the market)

4. Description of the methods to adjust the weight of waste SUPBB collected, including the measurement point to determine the weight of waste SUPBB separated from other waste

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Adjustments	Adjustments applied (yes/no)	Description of the applied methods to determine and apply adjustments
Inclusion of caps and lids (differentiate between caps and lids)		
Exclusion of material that is not part of an empty SUPBB including its caps and lids: labels, product contained in SUPBB, waste contained in waste SUPBB, other waste in the case of separate collection of waste SUPBB in accordance with Article 1(2)(b)		
Other (specify)		

5. Description of methods to determine conversion factors and their application

Conversion factor	Conversion factor applied (yes/no)	Describe the variables included in the calculation of conversion factors and how these variables were calculated
Conversion factor from item to weight ⁽¹⁾		
Conversion factor from volume (litre) to weight ⁽¹⁾		
Other (specify)		

⁽¹⁾ Conversion factors shall at a minimum consider the variables "weight of different volumes of bottles"; "different materials of bottles"; and "different types of caps".

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- Description of methods to attribute the weight of collected SUPBB as a result of different waste collection practices at the measurement point to determine the weight of waste SUPBB separated from other waste, including information on fractions that are collected according to Article 1(2)(a) and Article 1(2)(b), type of waste and risk of contamination

Add rows as appropriate.

- Description of methods to attribute waste containing SUPBB to different Member States at the measurement point to determine the weight of waste SUPBB separated from other waste

Add rows as appropriate.

IV. Data verification and control system

- Verification of data on waste SUPBB separately collected

Verification and control procedures	Applied for data on					Additional comments, if relevant
	SUPBB placed on the market (yes/no)	SUPBB waste generated (yes/no)	SUPBB collected separately according to Article 1(2)(a) (yes/no)	SUPBB collected according to Article 1(2)(b) (yes/no)	Adjustment to account for other materials captured by separate collection of SUPBB ⁽¹⁾ (yes/no)	

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Data completeness checks						
Cross-checks						
Time-series checks						
Audit checks						
Other (specify)						

(1) Labels, adhesives, residues of products that the bottles contained and any other material that is not part of an empty single-use plastic bottle including its caps and lids

2. Description of main factors affecting the accuracy of data on SUPBB placed on the market, waste SUPBB generated and/or separately collected.

Potential factors affecting reliability of data	Factors			Description how accuracy of data is affected and which methodologies are applied to minimise the impact
	SUPBB placed on the market (yes/no)	SUPBB waste generated (yes/no)	SUPBB collected separately (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 plastic bottle including its caps and lids)				
Data collection test instruments ⁽⁴⁾ (e.g. testing of questionnaires)				

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Potential factors affecting reliability of data	Factors			Description how accuracy of data is affected and which methodologies are applied to minimise the impact
	SUPBB placed on the market (yes/no)	SUPBB waste generated (yes/no)	SUPBB collected separately (yes/no)	
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 for securing quality and relevance of data collection instruments.

⁽⁵⁾ Describe the processing steps between data collection and production of statistics and list 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.

2. Explanation of the scope and validity of surveys to collect data on SUPBB placed on the market, waste SUPBB generated and/or separately collected

Add rows as appropriate.

3. Differences from the data reported for the previous 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).

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Add rows as appropriate.

4. Explanation detailing the causes of the tonnage difference (which estimates have caused the difference, and what the underlying cause is) for any component of SUPBB placed on the market, waste SUPBB generated and/or separately collected which shows greater than a 10 % variation from the data submitted for the previous reference year

SUPBB placed on the market, waste SUPBB generated and/or separately collected component	Variation (%)	Main reason for variation

Add rows as appropriate.