II

(Non-legislative acts)

DECISIONS

COMMISSION IMPLEMENTING DECISION (EU) 2018/1283

of 24 August 2018

laying down rules on the format and timetables for the submission of annual data collection reports in the fisheries and aquaculture sectors

(notified under document C(2018) 5270)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2017/1004 of the European Parliament and of the Council of 17 May 2017 on the establishment of a Union framework for the collection, management and use of data in the fisheries sector and support for scientific advice regarding the common fisheries policy and repealing Council Regulation (EC) No 199/2008 (¹), and in particular of Article 11(1) thereof,

Whereas:

(1) Member States have to submit to the Commission annual reports on the implementation of their national work plans for data collection in the fisheries and aquaculture sectors.

(2) Under Article 11(1) of Regulation (EU) 2017/1004, the Commission may adopt implementing acts laying down rules on procedures, format and timetables for the submission and approval of those reports.

(3) To that end, the Commission has consulted the Scientific, Technical and Economic Committee for Fisheries (STECF) (²) and Member States' representatives in dedicated expert groups.

(4) The national correspondents for data collection discussed the draft format and timetables for annual reports on data collection at their meeting of 21 February 2018.

(5) The format of the annual reports was previously determined by Council Regulation (EC) No 199/2008 (³), which has now been repealed and replaced by Regulation (EU) 2017/1004. That format, which was based on a STECF evaluation (⁴), should be updated and aligned with the provisions of Regulation (EU) 2017/1004. In that context, it is appropriate to take into account the most recent data requirements laid down in the 2017-2019 multiannual Union programme for the collection, management and use of data in the fisheries and aquaculture sectors (⁵).

(6) Regulation (EU) 2017/1004 does not specify a deadline for the submission of the annual reports. In order to enable timely disclosure of the outcomes of national data collection work plans and timely provision of data to

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end-users, that deadline should now be set as 31 May of each year. In order to ensure compliance with that deadline in the year 2018, the template provided for by this Decision was made available to the Member States on 4 April 2018 and the Member States agreed to submit their reports in 2018 by 31 May.

(7)   The measures provided for in this Decision are in accordance with the opinion of the Committee for fisheries and aquaculture,

HAS ADOPTED THIS DECISION:

Article 1

Content of annual reports

1.   Annual reports on the implementation of national data collection work plans for the year 2017 and subsequent years in the fisheries and aquaculture sectors, as referred to in Article 11(1) of Regulation (EU) 2017/1004, shall be submitted in accordance with the format set out in Annex I to this Decision.

2.   The annual reports shall be based on the Tables and Text Boxes of the adopted national data collection work plans drawn up in accordance with the format laid down in Commission Implementing Decision (EU) 2016/1701 (¹) and shall include the additional information required for annual reporting pursuant to this Decision.

Article 2

Correlation with the multi-annual Union programme

The correlation between the tables of the multi-annual Union programme established pursuant to Article 4 of Regulation (EU) 2017/1004 ('the multi-annual Union programme'), the tables and text of the work plan and the tables and text of the annual report is set out in Annex II of this Decision.

Article 3

Compilation of the annual report

1.   In order to compile the annual report, Member States shall first transfer the information on data collection programming from their adopted work plans to each corresponding Table and Text Box of the annual report as set out in Annex I. Thereafter, they shall fill in the additional columns, highlighted in grey in that Annex, which refer to the reporting only.

2.   When compiling the annual report, Member States shall not edit any of the values in the Table or Text Boxes that originate from their accepted work plans, with the exception of:

(a) Tables 1H, 2A, 3A, 3B, for which the following additional information shall be provided in accordance with Annex I to this Decision:

    (1) In order to determine the impact of fishing activities on marine biological resources and on marine ecosystems, pursuant to point 3(c) of Chapter III of the multiannual Union programme, Member States shall add a row on data collection on stomach contents in Table 1H;

    (2) In order to specify the fishing activity variables, pursuant to point 4 of Chapter III and Table 4 of the multiannual Union programme, Member States shall fill in two new columns in Table 2A;

    (3) In order to report on the clustering of the economic variables for the fleet, pursuant to point 5 of Chapter III of the multiannual Union programme, Member States shall fill in one new column in Table 3A;

    (4) In order to specify the threshold type for not collecting data on aquaculture, pursuant to point 5 of Chapter V of the multiannual Union programme, Member States shall fill in one new column in Table 3B.

(b) Tables 5A, 5B and 7B, for which Member States shall reflect in the annual reports where the information in the corresponding tables of the national work plans has improved or changed.

_____
(¹) Commission Implementing Decision (EU) 2016/1701 of 19 August 2016 laying down rules on the format for the submission of work plans for data collection in the fisheries and aquaculture sectors (OJ L 260, 27.9.2016, p. 153).

(c) The reporting on the following variables, on which Member States shall give additional information with regard to:

(1) the impact of fishing on marine habitats, pursuant to point 3(b) of Chapter III of the multiannual Union programme, by informing on the level of fishing activity gathered from VMS/logbook data or other sources, in Table 2A;

(2) sampling intensity for biological variables, pursuant to point 2(a)(i), (ii) and (iii) of Chapter III of the multiannual Union programme, in Text Box 1C;

(3) recreational fisheries, pursuant to point 2(a)(iv) of Chapter III of the multiannual Union programme, in Text Box 1D;

(4) incidental by-catch of birds, mammals, reptiles and fish, pursuant to point 3(a) of Chapter III of the multiannual Union programme, in Text Box 1F;

(5) data quality assurance framework for biological data, pursuant to Article 5, paragraph 2 (a), of Implementing Decision (EU) 2016/1701, in Text Box 5A;

(6) data quality assurance framework for socioeconomic data, pursuant to Article 5, paragraph 2(b), of Implementing Decision (EU) 2016/1701, in Text Box 5B.

3. No additional information shall be required in the compilation of the annual report in relation to the following Tables of the national work plans:

(a) Table 1B, on planning of sampling for biological variables,

(b) Table 4B, on sampling frame description for biological data, and

(c) Table 4D, on landing locations.

Article 4

Deadline for the submission of annual reports

Member States shall submit, by 31 May of each year, the annual reports concerning the implementation of data collection work plans for the previous year.

Article 5

Addressees

This Decision is addressed to the Member States.

Done at Brussels, 24 August 2018.

For the Commission
Karmenu VELLA
Member of the Commission

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ANNEX I

CONTENT

SECTION 1

BIOLOGICAL DATA

Table 1A

List of required stocks

												WP years	2017-2019
												AR year	
MS	Reference years	Species	Region	RFMO/RFO/IO	Area/Stock	Selected for sampling (Y/N)	Average landings in the reference years (tons)	EU TAC (if any) (%)	Share (%) in EU landings	Threshold (Y/N)	Comments		Changes in species landings

General comment: This Table fulfills paragraph 2 point (a) (i)(ii)(iii) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 8 of the Implementing Decision (EU) 2016/1701. This Table is intended to specify data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this Table to give an overview of the collection of data at the level of species area/stock level. All individuals sampled shall be indentified to species level and have length measurements taken, where possible.

General comment: This Table is applicable to the Annual Report. This Table should provide a record of any significant changes to the landings in the sampling year, compared to the average over the reference period – if it has impacted on any sampling.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Reference years	Member State shall report the year(s) to which the data actually refer. Member State shall select the three most recent years with data available. Give the reference year/years as '2013-2015'.
Species	Member State shall report (in Latin) the name of the species/stocks for which biological variables sampling is required according to the Tables 1(A), 1(B) and 1(C) of the multiannual Union programme, for all areas where the Member State's fishing fleet is operating.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Area/Stock	Member State shall indicate the area of the mentioned species/stock, in accordance with Tables 1(A), 1(B) and 1(C) of the multiannual Union programme (e.g. GSA 16; ICES areas I, II; ICES areas IIIa, IV, VIId, etc.).
Selected for sampling (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether the species/stock has been selected for sampling. Indicate 'Y' (yes) if the species/stock is selected for sampling for at least one variable of Table 1B of this Annex.
Average landings in the reference years (tons)	Average landings for each species and stock over the most recent 3-year reference period. While entering the landings data, Member State shall take into account the following conventions: If the species is not landed at all, then enter 'None'. If the average landings are less than 200 t, then do not enter the average landings figure, but enter '< 200' instead. If the average landings exceed 200 t, then enter the average landings figure for the most recent 3-year reference period. Average landings figures may be rounded to the nearest 5 or 10 t.
EU TAC (if any) (%)	Only applies to stocks that are subject to TAC and quota Regulations. In this column Member State shall: — enter 'None', if the Member State has no share in the EU TAC of the stock concerned, — enter the exact share if the Member State has a share in the EU TAC of the stock concerned.

Name of the variable	Guidance
Share (%) in EU landings	Applies to (i) all stocks in the Mediterranean; and (ii) all stocks outside the Mediterranean for which no TACs have been defined yet. In this column Member State shall: — enter 'None', if the Member State has no landings of the stock concerned, — enter the exact share, if the Member State has landings of the stock concerned, in the case that the Member State wants to invoke a threshold.
Threshold (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the reported species/stock, a threshold applies, according to Chapter V of the multiannual Union programme.
Comments	Any further comment.
Changes in species landings	MS shall optionally briefly describe any change in landings that had an impact on Work Plan implementation, compared with those shown in the Work Plan.

Table 1B

Planning of sampling for biological variables

						WP years																		2017-2019
						AR year																		
MS	Species	Region	RFMO/ RFO/IO	Area/ Stock	Frequency	Length			Age			Weight			Sex ratio			Sexual maturity			Fecundity			Comments
						2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019	2017	2018	2019	

General comment: This Table fulfills paragraph 2 point (a) (i)(ii)(iii) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 8 of the Implementing Decision (EU) 2016/1701. This Table is intended to specify data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. For species listed in this table, biological parameters (length, age, weight, sex ratio, maturity and fecundity) shall be collected. For each parameter and year, enter 'X' if data collection has taken place or is planned. This table shall allow to identify in which year(s) data were/will be collected by the MS.

General comment: This Table is not applicable to the Annual Report.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code e.g. 'DEU'.
Species	Use Latin name. MS shall report species/stocks for which biological variables sampling is mandatory according to the requirements of the Tables 1A, 1B and 1C of [EU MAP], for all areas where the MS's fishing fleet is operating.
Region	Region shall be given according to the labelling of regions in Table 5C of [EU MAP] (e.g. 'Baltic', 'North Sea and Eastern Arctic', etc. If recommendation applies to all regions, insert 'all regions').
RFMO/RFO/IO	Enter the acronym of the competent Regional Fisheries Management Organisation (RFMO), Regional Fisheries Organisation (RFO) or International Organisations (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM … e.g. RFM: NAFO, … e.g. IO: ICES, … If no RFMO, RFO or IO is applicable, NA (not applicable) is used.
Area/Stock	MS shall indicate the fishing ground of the mentioned species/stock (e.g. GSA 16; ICES areas I, II; ICES areas IIIa, IV, VIId; etc.).
Age	MS shall indicate the year(s) in which age data will be sampled.
Weight	MS shall indicate the year(s) in which weight data will be sampled.
Sex ratio	MS shall indicate the year(s) in which sex ratio information will be sampled.
Sexual maturity	MS shall indicate the year(s) in which sexual maturity information will be sampled.
Fecundity	MS shall indicate the year(s) in which fecundity will be sampled.
Comments	Any further comment.

Table 1C

Sampling intensity for biological variables

| | | | | | | | | | | | | WP years | 2017-2019 |
| | | | | | | | | | | | | AR year | |
MS	MS part-cipating in sampling	Sampling year	Species	Region	RFMO/RFO/IO	Area/Stock	Vari-ables	Data sources	Planned minimum no of individuals to be measured at the national level	Planned minimum no of individuals to be measured at the regional level	Com-ments	Achieved number of individuals measured at the national level	% of achieve-ment (100*M/J)	Achieved number of samples	Sampling protocol	AR Comments

General comment: This table fulfils paragraph 2 point (a) (i) (ii) (iii) of Chapter III, Chapter IV of the multiannual Union programme and Article 2, Article 4 paragraph 1 and Article 8 of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Explain the sampling strategy planned with regards to the biological variables.

General comment: This Table is applicable to the Annual Report. This Table should provide information on the number of fish measured together with number of samples for each species area/stock, biological parameter and sampling scheme. New species, not included in the accepted Work Plan, may be added as additional rows at the end of the Table.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
MS participating in sampling	If the sampled activity has been carried out according to a regionally coordinated programme, all participating Member States shall be listed. Otherwise, the Member State responsible for the sampling shall be listed. Links to planned regional and international coordination or bi- and multilateral agreements, where available, shall be listed in the 'Comments'.
Sampling year	Member State shall detail the year or years for planned objectives. Different years shall be stated in different rows of the table. All years concerned shall be included.
Species	Member State shall report (in Latin) the name of the species/stocks for which biological variables sampling is required according to Tables 1(A), 1(B) and 1(C), for all areas where the Member State's fishing fleet is operating
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Area/Stock	Member State shall indicate the fishing ground of the mentioned species/stock (e.g. GSA 16; ICES areas I, II; ICES areas IIIa, IV, VIId, etc.).
Variables	Member State shall report the variables length, age, weight, sex ratio, sexual maturity and fecundity, as given in Table 1B of this Annex. Combination of species and variables as indicated in Table 1B of this Annex shall match with this information.
Data sources	Member State shall give a keyword description of the main data sources (e.g. surveys, commercial samples, market samples, discard samples, etc.). Member State shall report separately the planned sampling for 'commercial fisheries' and 'surveys'.
Planned minimum No of individuals to be measured at the national level	Member State shall state the total planned minimum number of fish to be measured at the national level. Use 'Comments' to briefly define the methodology used to obtain these values (e.g. previous sampling, simulation, etc.).

Name of the variable	Guidance
Planned minimum No of individuals to be measured at the regional level	Member State shall state the planned minimum number of fish to sample as part of a regionally coordinated scheme if one exists or, otherwise, 'NA' (not applicable) is used. Use 'Comments' to briefly define the methodology used to obtain these values (e.g. previous sampling, simulation, etc.).
Comments	Any further comment.
Achieved number of individuals measured at the national level	Member State shall state the total number of fish measured at the national level.
% of achievement (100*M/J)	No action required by Member State. Automatic filling with the figures achieved vs planned.
Achieved number of samples	Member State shall state the number of samples from which the number individuals came.
Sampling protocol	Member State shall briefly describe the methodology used to obtain these values (e.g. 10 ind/haul, max 50 ind/box (comm. Cat), 5 ind/cm/quarter).
AR Comments	Detailed comments on the deviations (< 90 % and > 150 % from planned) should be included here. The addition of species, for which sampling was not planned, should be clearly justified in this column.

Text Box 1C

Sampling intensity for biological variables

General comment: This box fulfils paragraph 2 point (a)(i)(ii)(iii) of Chapter III, Chapter IV of the multiannual Union programme and Article 2, Article 4 paragraph 1 and Article 8 of the Implementing Decision (EU) 2016/1701. This box is applicable to the Annual Report.

Member State should to provide by Region/RFMO/RFO/IO:

1. Evidence of data quality assurance

   Quality evaluation can only be carried out if the information coming from Table 5A is available. If this is not the case, Member State shall provide an overview by giving information on the methodology used to assure the quality of the data collected.

   e.g.:

   The sampling design and protocols follow the outcomes of sampling expert groups.

   Use of common standard criteria agreed with other countries/groups.

   Use of special packages or tools (e.g. COST …) for calculations.

   Use of sampling protocol for storage of data.

   Use of sampling protocol for processing of data.

   Use appropriate exploratory statistical techniques to detect outliers and anomalous registers.

2. Deviations from the Work Plan

   MS to list the deviations (if any) in the achieved data collection compared to what was planned in the Work Plan and explain the reasons for the deviations. The threshold for deviation follow those set in the former AR: < 90 % and > 150 %.

Explain any deviation from the proposed:

— sampling intensity,

— methods used for collecting data,

— methods used for estimating the parameters.

General reasons for deviations from the Work Plan in terms of planned vs. achieved should be summarised in this section, while detailed comments on deviations on particular species/stocks should be included in the AR Comments column in Table 1C.

In case of Member State adding new species not included in the WP, this should be clearly explained and justified.

3. Actions to avoid deviations.

Member State to describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section is not applicable.

(max. 1 000 words per Region/RFMO/RFO/IO)

Table 1D

Recreational fisheries

MS	Sampling year	Area/EMU	RFMO/RFO/IO	Species	Applicable (Species present in the MS?)	Reasons for not sampling	Threshold (Y/N)	Annual estimate of catch? (Y/N)	Annual percentage of released catch? (Y/N)	Collection of catch composition data? (Y/N)	Type of Survey	Comments
	2017	North Sea and Eastern Arctic	ICES	Gadus morhua	Y			Y	Y	Y	National estimates of numbers of trips & on-site surveys of catch per unit effort	
	2017	North Sea and Eastern Arctic	ICES	Anguilla anguilla	Y			Y	Y	Y	National estimates of numbers of angler & angler diaries	
	2017	North Sea and Eastern Arctic	ICES	Sharks	N			Y	Y	Y	National estimates of numbers of trips & on-site surveys of catch per unit effort	
	2017	Baltic Sea	ICES	Elasmo-branchs	Y	No catches		N	N			
		North Atlantic	ICES									
		North Atlantic	ICES									
		Mediterranean Sea and Black Sea	GFCM									

			WP years	2017-2019
			AR year	

MS	Unique Survey ID or Name of sampling scheme (Linked to Table 5A)	Is the survey part of a pilot study or part of an established programme?	Frequency	Is the sampling design documented? (Linked to Table 5A)	Are non-response and refusal recorded? (Linked to Table 5A)	Are the editing and imputation methods documented? (Linked to Table 5A)	Estimation of the yearly weight and numbers of catch (Y/N)	Estimation of the yearly percentage release (Y/N)	Collection of catch composition data (Y/N)	Evaluated by external experts/bodies (Y/N)	Conform with accepted standards Y/N	AR Comments

General comment: This Table fulfills paragraph 2 point (a)(iv) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 4 paragraph 1 of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Table 3 of the multiannual Union programme, which also includes marine and freshwater recreational catches for anadromous and catadromous species.

General comment: This Table is applicable to the Annual Report. This Table should provide information on the recreational fisheries sampling schemes implemented by Member States.

Name of the variable	Guidance
MS	Member State shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Sampling year	Member State shall state the year for planned sampling.
Area/EMU	Member State shall refer to the naming convention used in Table 3 of the multiannual Union programme In the case of eel, Eel Management Unit (EMU) shall be reported.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Species	Member State shall report (in Latin, where possible) the name of the species for which recreational fisheries sampling is required according to Table 3 of the multiannual Union programme or identified by pilot studies and/or management needs for the recreational fishery (by region). All species shall be included even if the species is/are not present in the Member State.
Applicable (Species present in the MS?)	Member State shall indicate with 'Y' (yes) or 'N' (no) if the species is present in the Member State.
Reasons for not sampling	If the species is present in the Member State, but not collected, Member State shall indicate the reason(s) (free text) for not sampling this species, with specific references where appropriate (e.g. species not present in the area, regulations/laws in the country, fit the requested threshold, etc.).
Threshold (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, a threshold applies, according to Chapter V of the multiannual Union programme.
Annual estimate of catch? (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, the annual estimate of catch (weight and/or numbers) is planned.
Annual percentage of released catch? (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, the annual percentage of released catch (rate of released fish) is planned.

Name of the variable	Guidance
Collection of catch composition data? (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, the catch composition (e.g. length structure) is planned.
Type of survey	Member State shall indicate the types of survey that will be done to collect data on recreational fisheries (e.g. on-site surveys, telephone surveys, anglers' diaries, etc. or any combination of these).
Comments	Any further comment.
Unique Survey ID or Name of sampling scheme (Linked to Table 5A)	Member State shall state the name of the sampling scheme. This can be currently identified in the WP part of Table 1D under column entitled 'type of survey'. Member State shall check that all types of surveys mentioned in Table 1D, are included in Table 5A. If this is not the case, please refer to AR text box 1D.
Is the survey part of a pilot study or part of an established programme?	Member State shall state if this information is from a 'Pilot' or 'Routine'.
Frequency	Member State shall indicate the frequency of the survey: 'Annual', 'Biennial', 'Triennial' etc.
Is the sampling design documented? (Linked to Table 5A)	If the name of sampling scheme (see 'Name of sampling scheme' column) is included in Table 5A, Member State shall indicate with 'Y' (yes). If not, Member State shall indicate with 'N' (no) and follow AR text box 1D 'Type of Survey' instructions.
Are non-responses and refusals recorded? (Linked to Table 5A)	If the name of sampling scheme (see 'Name of sampling scheme' column) is included in Table 5A, Member State shall indicate with 'Y' (yes). If not, Member State shall indicate with 'N' (no) and follow AR text box 1D 'Data Quality' instructions.
Are the editing and imputation methods documented? (Linked to Table 5A)	If the name of sampling scheme (see 'Name of sampling scheme' column) is included in Table 5A, Member State shall indicate with 'Y' (yes). If not, Member State shall indicate with 'N' (no) and follow AR text box 1D 'Data Analysis and Processing' instructions.
Estimation of the yearly weight and numbers of catch (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, the annual catch weight (tonnes) and numbers are estimated for the sampling year.
Estimation of the yearly percentage release (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, the yearly percentage release is estimated for the sampling year.
Collection of catch composition data (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether, for the mentioned species, the catch composition data is estimated for the sampling year.

Name of the variable	Guidance
Evaluated by external experts/bodies (Y/N)	Member State shall indicate by Y (Yes) or N (No) if the survey is evaluated by external experts/bodies. If the answer is Y, identify the evaluator (e.g. WGRFS) in the AR Comments column.
Conform with accepted standards (Y/N)	Indicate with Y (Yes) or N (No) if the survey evaluated by external experts/bodies, follows accepted standards.
AR Comments	Any further comment.

Text Box 1D

Recreational Fisheries

General comment: This box fulfills paragraph 2 point (a) (iv) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 4 paragraph 1 of the Implementing Decision (EU) 2016/1701. This box is applicable to the Annual Report. This box is intended to provide information on the design, implementation and analysis of all components of sampling schemes/surveys that are listed in Table 1D.

1. Description of the target population

   The target population and the elements of this target population accessibility, need to be defined and described in this section. In the case of Recreational Fisheries, the target population could be whole population of resident anglers, charter boats etc. This will permit to evaluate if all sectors contributing to the total catch, are included in the survey.

2. Type of survey

   In Table 1D, the methodology or type of survey used must be included, but any information about the design is missing.

   Table 5A in the Work Plan allows to identify if the sampling design is documented and where it can be found. Are the surveys identified correctly in table 5A and information about sampling design provided under this table?

   If the answer is No: information on the design should be included in this section of the Annual Report (e.g.: stratification, selection of PSU, is sampling probability base etc.).

3. Data Quality

   Information about non-responses and refusals is found in the Work Plan, Table 5A. Are non-responses and refusals recorded in table 5A?

   If the answer is No: information on recordings of non-responses and refusals should be included in this section of the Annual Report.

4. Data Analysis and processing

   Information about data processing is found in the Work Plan, Table 5A. Are the editing and imputation methods documented and identified?

   If the answer is No: information on estimation procedures should be included in this section of the Annual Report, following the questions below:

   Does the estimation procedure follow the survey design?

Has the precision of the estimates been calculated and documented?

(max. 900 words per survey)

Pilot study 1

Relative share of catches of recreational fisheries compared to commercial fisheries

General comment: This box fulfils paragraph 4 of Chapter V of the multiannual Union programme and Article 2 and Article 4 paragraph (3) point (a) of the Implementing Decision (EU) 2016/1701.

General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study.

1. Aim of pilot study

2. Duration of pilot study

3. Methodology and expected outcomes of pilot study

(max 900 words)

Brief description of the results obtained (including deviations from planned and justifications as to why if this was not the case).

4. Achievement of the original expected outcomes of pilot study and justification if this was not the case.

5. Incorporation of results from pilot study into regular sampling by the Member State.

(max 900 words)

Table 1E

Anadromous and catadromous species data collection in fresh water

MS	Sampling period	Area	RFMO/RFO/IO	Species	Applicable (Y/N)	Reasons for not sampling	Water Body	Life stage	Fishery/Independent data collection	Method
	2017-2020	Baltic	NASCO	Salmo salar			RIVER AAA	parr	I	electrofishing
	2017-2020	Baltic	NASCO	Salmo salar			RIVER AAA	smolt	I	trap
	2017-2020	Baltic	NASCO	Salmo salar			RIVER AAA	adult	I	counter
	2017-2020	Baltic	NASCO	Salmo salar			RIVER AAA	adult	F	sampling
	2017-2020	Baltic	ICES	Anguilla anguilla			RIVER EEE	glass	I	electrofishing
	2017-2020	Baltic	ICES	Anguilla anguilla			RIVER EEE	yellow	I	trap
	2017-2020	Baltic	ICES	Anguilla anguilla			RIVER EEE	silver	I	counter
	2017-2020	UK Northern	ICES	Anguilla anguilla			N/A	glass	F	sampling
	2017-2020	UK Northern	ICES	Anguilla anguilla			N/A	yellow	I	trap
	2017-2020	UK Northern	ICES	Anguilla anguilla			N/A	silver	I	electrofishing

| | | | | | WP years | 2017-2019 |
| | | | | | AR year | |

MS	Unit	Planned nos	Frequency	Comments	Achieved numbers	% of achieve-ment (100*P/M)	Reasons for non-conformity	Survey ID	Agreed at RCG level?	AR Comments
	n. sites	40			40	100	N/A		Y	
	n. smolts	4 000			3 900	98	total run < target		N	
	n. counter	1			0	0	equipment failure		Y	
	n. samples	100			100	100	N/A		N	
	n. sites	40			40	100	N/A		Y	
	n. smolts	4 000			3 500	88	staff availability		N	
	n. counter	1			1	100	N/A		Y	
	n. samples	100			87	87	funding		N	
	n. traps	1			1	100	N/A		Y	
	n. sites	20			19	95	weather		N	

General comment: This table fulfils paragraph 2 points (b) (c) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 4 paragraph (1) of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Table 1(E) of the multiannual Union programme. Use this table to give an overview of the data to be collected on freshwater commercial fisheries for anadromous and catadromous species.

General comment: This Table is applicable to the Annual Report. This Table should provide information on the achieved numbers, short texts to explain any non-conformities with the WP, the Survey ID code, and whether or not the data collection is agreed at Regional level.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code e.g. 'DEU'.
Sampling year	Member State shall state the period for planned sampling.
Area	In the case of eel, 'EMU'(Eel Management Unit) shall be reported. For all other cases, catchment basin shall be reported.
RFMO/RFO/IO	Member State shall enter the acronym of the competent Regional Fisheries Management Organisation (RFMO), Regional Fisheries Organisation (RFO) or International Organisations (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Species	Member State shall report (in Latin) the name of the species. All species shall be reported even if the species is/are not present in the Member State.
Applicable (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no)if the species is present in the Member State or if fisheries of this species is banned.
Reasons for not sampling	If the species is present in the Member State, but not collected, Member State shall indicate the reason(s) (free text) for not sampling this species (e.g. species not present in the area, regulations/laws in the Member State, fit the requested threshold etc.).
Water Body	Member State shall fill with the name of the river/system chosen (eg. index river).
Life stage	Member State shall indicate the life stage of the species (e.g. adult, glass, silver etc.).
Fishery/Independent data collection	Member State shall indicate whether data shall be derived from commercial catches (fishery) or from sources other than commercial catches (independent).
Method	Member State shall indicate the source(s) of data (eg. trap, counter, logbooks etc. or any combination of these methods) from which data will be derived.
Unit	For each method, the planned unit of data reporting shall be indicated (e.g. number of traps, number of counters, number of electrofishing etc.).
Planned nos	Member State shall indicate the quantitative objective planned (in numbers) for the unit chosen.

Name of the variable	Guidance
Frequency	Member State shall indicate the frequency at which sampling will take place ('M' (monthly), 'Q' (quarterly), 'A' (annually), 'O' (other) – please specify).
Comments	Any further comment.
Achieved Numbers	Member State shall indicate the quantitative objective achieved (in numbers) for the unit chosen.
% of achievement (100*P/M)	No action required by Member State. Automatically filled column.
Reason for non-conformity	If Planned/Achieved ≠ 1, Member State shall reference here Text Box 1E, where the Member States shall describe the reasons and actions taken to mitigate non-conformity.
Survey ID	Member State shall indicate the Survey ID, according to the following system: Survey ID code: MS-SPP-Habitat-Gear-Data source, where: — FAO country codes (ISO3): see http://www.fao.org/countryprofiles/iso3list/en/ — FAO codes for species: European eel (ELE), Atlantic salmon (SAL), sea trout (TRS) — Habitat codes: marine (MAR), freshwater (FRW) — FAO codes for fishing gears: see http://www.fao.org/fishery/docs/DOCUMENT/cwp/handbook/annex/AnnexM2fishinggear.pdf — Data source: commercial fishing, recreational fishing, fishery-independent.
Agreed at RCG level?	Member State shall indicate by 'Y' (yes) or 'N' if there is agreement at the regional level to sample the Water body.
AR Comments	Any further comment.

Text Box 1E

Anadromous and catadromous species data collection in fresh water

General comment: This box fulfills paragraph 2 points (b) and (c) of Chapter III of the multiannual Union programme and Article 2 of the Implementing Decision (EU) 2016/1701.

General comment: This box is applicable to the Annual Report.

Method selected for collecting data.

(max 250 words per Area)

Were the planned number achieved? Yes/No

If answer is No, Member State shall explain why not, and what measures were taken to avoid non-conformity.

(max 500 words per Area)

Table 1F

Incidental by-catch of birds, mammals, reptiles and fish

MS	Sampling period/year(s)	Region	RFMO/RFO/IO	Sub-area/ Fishing ground	Scheme	Stratum ID code/Name of the survey	Group of vulnerable species	Expected occurence of recordings	Comments	Total number of PSU in the sampling year	Achieved number of PSU in the sampling year
ESP	2017-2019	North Sea and Eastern Arctic	ICES	I-II	At sea		all	X			
ESP	2017-2019	North Sea and Eastern Arctic	ICES		at market		all	X			
ESP	2017-2019	North Sea and Eastern Arctic	ICES				all	X			
ESP	2017-2019	North Sea and Eastern Arctic	ICES								

				WP years	2017-2019
				AR year	

MS	Number of PSU sampled in which observers have been instructed to look for bycatch	Does your sampling protocol allow for the calculation of observation effort 'at haul level' (Y/N)	Is there any mitigation device? (Y/N)	Has there be occurrence of bycatch?					Are data stored in a national database?	Are data stored in international database(s)?	AR Comments
				Fish (Y/N/NA)	Mammals (Y/N/NA)	Birds (Y/N/NA)	Reptiles (Y/N/NA)	Other (Y/N/NA)			
ESP											
ESP											
ESP											
ESP											

General comment: This table fulfils paragraph 3 point (a) of Chapter III of the multiannual Union programme and Article 2 of the Implementing Decision (EU) 2016/1701. This Table is intended to specify data collected under Table 1(D) of the multiannual Union programme. Explain the sampling strategy planned.

General comment: This Table is applicable to the Annual Report. This Table should provide information on incidental by-catch data, its coverage and storage, for all types of fisheries. Member State shall report on all at sea strata, as listed in Table 4A of the Work Plan.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Sampling period/year(s)	Member State shall state the period for planned sampling. Give the sampling year/years as '2017-2018'.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multi annual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Sub-area/Fishing ground	Member State shall indicate the fishing ground of the mentioned species/stock (e.g. GSA 16; ICES areas I, II; ICES areas IIIa, IV, VIId, etc.).
Scheme	Member State shall state the sampling scheme: 'at markets', 'at sea', a combination of both methods or 'other'. Values shall match those reported in Table 4A and Table 4B of this Annex, unless directed schemes are in place.
Stratum ID code	Member State shall indicate a unique code to identify each stratum within the scheme. Values shall match those reported in Table 4A and Table 4B of this Annex, unless directed schemes are in place.
Group of vulnerable species	Member States shall indicate the group of species, based on provision 3(a) of Chapter III of the multiannual Union programme.
Expected occurrence of recordings	Member States shall indicate the expected occurrence of recordings for individuals caught as incidental by-catch, including releases, in accordance with Table 1(D) of the multiannual Union programme. Fill in with (+/) number or 'X'.
Comments	Any further comment.
Total number of PSU in the sampling year	Member State shall state the total number of primary sampling units that were available for selection for the specified stratum in the sampling year. Numbers to fill this column should exactly match those provided in Table 4A, having the same title.
Achieved number of PSU in the sampling year	Member State shall state the number of primary sampling units from which data was successfully collected for the specified stratum in the sampling year. Numbers to fill this column should exactly match those provided in Table 4A, having the same title.

Name of the variable	Guidance
Number of PSU sampled in which observers have been instructed to look for bycatch	Member State shall state the achieved number of PSU in which observers have been instructed to look for and record bycatch.
Does your sampling protocol allow for the calculation of observation effort 'at haul level' (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no). Observation effort 'at haul level' can be obtained if the percentage of hauls of which the incidental by-catch has been checked by an observer at opening of the codend (trawl and seine only) is recorded* or if the overall percentage of the catch process that has been observed during sorting/processing or during hauling (set- and drift nets, longlining) is recorded^. *% observation codend — In the situation where on board observers have to carry out different tasks and are therefore not able to observe the whole catch, an indication (a percentage) is required of the extent to which the catch has been observed at haul level. The exact protocol for sampling of the incidental catch at haul level depends on the type of fishery. In trawl fisheries, it is important to observe the opening of the codend of the trawlnet. ^% sorting observed — In fisheries with large catches a percentage of coverage can be given for the process of sorting/processing the catch. The same is the case for fisheries where the catch comes on board over a longer period of time like set- or drift nets and longline fishery.
Is there any mitigation device? (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) whether there is/are mitigation device(s) in place (i.e. acoustic deterrent devices, escape devices, etc.) that could be affecting the numbers of by-catches. If 'Y' (yes), indicate the type of device in the 'AR Comments'.
Fish (Y/N/NA)	Member State shall indicate by 'Y' (yes), 'N' (no) or 'NA' (not applicable) if they have recorded fish incidentally by-caught, according to Table 1(D) of the multiannual Union programme. Recordings marked by 'Y' can also include zero bycatch (no bycatch recorded), as long as the observer was looking for bycaught individuals, i.e. there was observation effort for bycatch.
Mammals (Y/N/NA)	Member State shall indicate by 'Y' (yes), 'N' (no) or 'NA' (not applicable) if they have recorded mammals incidentally by-caught, according to Table 1(D) of the multiannual Union programme. Recordings marked by 'Y' can also include zero bycatch (no bycatch recorded), as long as the observer was looking for bycaught individuals, i.e. there was observation effort for bycatch.
Birds (Y/N/NA)	Member State shall indicate by 'Y' (yes), 'N' (no) or 'NA' (not applicable) if they have recorded birds incidentally by-caught, according to Table 1(D) of the multiannual Union programme. Recordings marked by 'Y' can also include zero bycatch (no bycatch recorded), as long as the observer was looking for bycaught individuals, i.e. there was observation effort for bycatch.
Reptiles (Y/N/NA)	Member State shall indicate by 'Y' (yes), 'N' (no) or 'NA' (not applicable) if they have recorded reptiles (turtles) incidentally by-caught, according to Table 1(D) of the multiannual Union programme. Recordings marked by 'Y' can also include zero bycatch (no bycatch recorded), as long as the observer was looking for bycaught individuals, i.e. there was observation effort for bycatch.
Others (Y/N/NA)	Member State shall indicate by 'Y' (yes), 'N' (no) or 'NA' (not applicable) if they have recorded specimens incidentally by-caught, according to Table 1(D) of the multiannual Union programme. Recordings marked by 'Y' can also include zero bycatch (no bycatch recorded), as long as the observer was looking for bycaught individuals, i.e. there was observation effort for bycatch.

Name of the variable	Guidance
Are data stored in a national database?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether data and associated information are stored in databases. If 'N' (no), indicate in the 'AR Comments' what are the main constraints. Member State shall provide the name of national database if applicable, in the 'AR Comments'.
Are data stored in international database(s)?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether primary, detailed and aggregated data and associated metadata are stored in databases. If 'N' (no), indicate in the 'AR Comments' what are the main constraints. Member State shall provide the name of international database, if applicable, in the 'AR Comments'.
AR Comments	Any further comment.

Text Box 1F

Incidental by-catch of birds, mammals, reptiles and fish

General comment: This box fulfils paragraph 3 point (a) of Chapter III of the multiannual Union programme and Article 2 of the Implementing Decision (EU) 2016/1701. This box is applicable to the Annual Report. This box is applicable only for those sections where Member States have reported that they have been carrying out regular sampling. Results and deviations for Pilot studies should be reported under Pilot Study 2.

1. Results

   Member States shall fill in Table 1F and provide additional information, if available, in this text box. For example, species (or family) identification, number of samples, and the state of the animals incidentally by-caught (i.e. were they released alive, dead, or collected for sampling).

2. Deviations from Work Plan

   Member States shall list the deviations (if any) in the achieved data collection compared to what was planned in the WP and explain the reasons for the deviations.

   Explain any deviations from the proposed:

   — sampling intensity
   — methods used for collecting data

3. Data quality

   Member States shall provide information on sampling protocols and sampling design for incidental by-catch data collection.

   Questions to be addressed are listed below:

   — Does the onboard observer protocol contain a check for rare specimens in the catch at opening of the codend? If YES is the observer instructed to indicate if the codend was NOT checked in a haul?

   — In gill nets — and hook-and-line fisheries: does the onboard observer protocol instruct the observer to indicate how much of the hauling process has been observed for (large) incidental bycatches which never came on board (because they fall out of the net)? In large catches: does the protocol instruct to check for rare specimens during sorting of the catch (i.e. at conveyor belt)? Is the observer instructed to indicate what percentage of the sorting or hauling process has been checked at 'haul level'?

   — Does the onboard observer protocol instruct to report on the use of mitigation (i.e. Escape Devices or Acoustic Deterrent Devices)?

— Does the sampling design and protocol follow the recommendations from relevant expert groups? Provide appropriate references. If there are no relevant expert groups, the design and protocol have to be explained in the text.

— Are data quality issues taken into account?

— How are data (and samples) stored

(max 900 words)

Pilot Study 2

Level of fishing and impact of fisheries on biological resources and marine ecosystem

General comment: This Box fulfills paragraph 3 point (c) of Chapter III of the multiannual Union programme and Article 2 and Article 4 paragraph (3) point (b) of the Implementing Decision (EU) 2016/1701.

General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study.

1. Aim of pilot study

2. Duration of pilot study

3. Methodology and expected outcomes of pilot study

(max 900 words)

Brief description of the results obtained (including deviations from planned and justifications as to why if this was not the case).

4. Achievement of the original expected outcomes of pilot study and justification if this was not the case

5. Incorporation of results from pilot study into regular sampling by the MS

(max 900 words)

Table 1G

List of research surveys at sea

MS	Name of survey	Acronym	Mandatory (Y/N)	Threshold (Y/N)	Agreed at RCG level	MS partici-pation	Area(s) covered	Period (Month)	Frequency	Days at sea planned	Type of sampling activities	Planned target	Map
DNK	Baltic International Trawl Survey	BITS Q1	Y	Y			IVc	Sept-Oct		10	Fish Hauls	33	Fig 7.1
DNK	International Botom trawl sur-vey	IBTS Q1	Y				IIIa, IV	July		15	Echo Nm	50	Fig 7.2
			Y				IIIa, IV	July		15	Plankton hauls	15	Fig 7.2

												WP years	2017-2019
												AR year	
MS	Relevant international planning group - RFMO/RFO/IO	Internat-ional database	Com-ments	Type of MS parti-cipation	In case of finan-cial participa-tion, is payment done? (Y/N)	Days at sea achieved	Achieved target	Other data assimila-tions (Y/N)	Was the survey carried out within the official time period? (Y/N)	Was the survey carried out within the official survey area? (Y/N)	Indication if AR comments by MS are required concerning effort achieved	Indication if AR comments by MS are required concerning temporal and spatial coverage	AR Comments
DNK	ICES WGBIFS			Physical		25	53	Y	N	N			
DNK	ICES IBTSWG			Physical		10	39	Y	N	N			
	ICES PGIPS			Finan-cial		15	11	N	N	N			

General comment: This table fulfills Chapter IV and Chapter V of the multiannual Union programme and Article 2 and Article 3 of the Implementing Decision (EU) 2016/1701.This Table is intended to specify which reseach surveys at sea set out inTable 10 of the multiannual Union programme and which additional surveys will be carried out by the Member State.

General comment: This table is applicable to the Annual Report. This Table should provide information on the performance of the research survey(s) at sea implemented by the Member State.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code e.g. 'DEU'.
Name of survey	Member State shall state the name of the survey. For mandatory surveys the name shall be the same as the one used in Table 10 of the multi-annual Union programme.
Acronym	Member State shall state the acronym of the survey. For mandatory surveys the acronymshall be the same as the one used in Table 10 of multi-annual Union programme.
Mandatory (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) if the survey is included in Table 10 of the multi-annual Union programme.
Threshold (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no)if a threshold applies, according to provision 7 of Chapter V of the multi-annual Union programme. If 'Y' (yes), describe in more detail in Text Box 1G of this Annex.
Agreed at RCG level	Member State shall enter 'Y' (yes) or 'N' (no)if the survey is agreed at marine region level.
MS participation	Indicate whether other Member State(s) are participating in the survey and the form of participation ('F (financial), 'T'(technical), 'E'(effort) or 'C' (combination)]. Describe in more detail in Text Box 1G of this Annex. If no other Member State is participating in the survey, this field shall be filled with 'NA' (not applicable).
Area(s) covered	Member State shall indicate the areas planned to be covered. For mandatory surveys the area shall be the same as the one used in Table 10 of the multi-annual Union programme.
Period (Month)	Member State shall indicate the time period (in months) planned to be covered. For mandatory surveys the time periodshall be as the one used in Table 10 of multi-annual Union programme.
Frequency	Member State shall indicate the frequency of the survey: 'Annual', 'Biennial', 'Triennial' etc.
Days at sea planned	Member State shall indicate the days at sea planned at national level.
Type of sampling activities	Member State shall state the type of core sampling activities. Core sampling activities are those agreed in the relevant group in charge of planning the survey, as opposed to additional sampling activities. Use a separate line for each type of sampling activity. Member State is prompted to use the following categories: fish hauls, conductivity temperature depth (CTD), plankton hauls etc.

Name of the variable	Guidance
Planned target	Member State shall indicate the number of planned sampling activities.
Map	Member State shall add reference to the map, as included in Text Box 1G of this Annex.
Relevant international planning group — RFMO/RFO/IO	Member State shall enter the relevant international group in charge of planning the survey and its corresponding RFMO/RFO/IO. Member State shall enter the acronym of the competent Regional Fisheries Management Organisation (RFMO), Regional Fisheries Organisation (RFO) or International Organisations (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
International database	Member State shall state the name of the international database, in relation to the data collected under the research survey, or enter 'no existing database'. This applies to the existence of an international database, not to the fact that data are, or are not, uploaded.
Comments	Any further comment.
Type of MS participation	Member State shall indicate if the contribution to the survey is: 'P' (physical: physically carry out the survey on board own or foreign research vessel and work up samples), 'T' (technical: only work up samples collected by other Member States), 'F' (financial: financially support other Member States to physically carry out the survey) and/or 'C' (combination: any combination of the above).
In case of financial participation, is payment done? (Y/N)	In case of financial participation to a research survey, Member State shall enter 'Y' (yes) or 'N' (no) if financial contribution has been realised or not.
Days at sea achieved	Member State shall indicate the number of days at sea during the survey.
Achieved target	Member State shall indicate the number of target units given in the column 'Type of sampling activities' during the survey
Other data assimilations (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) if the raw data are submitted or assimilated to other scientific bodies, than the relevant database.
Was the survey carried out within the official time period? (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) if the survey was carried out within the official survey time period.
Was the survey carried out within the official survey area? (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) if the survey was carried out within the official survey area.

Name of the variable	Guidance
Indication if AR comments by MS are required concerning effort achieved	This column is automatically filled in, depending of the magnitude of the discrepancy between planned and achieved effort. The range of discrepancy falls between < 90 % and > 150 %. If the values fall outside the range of discrepancy, this is flagged by 'x', and the Member State is requested to provide a comment in the AR comments. Member State can fill in comments even though no indication is given.
Indication if AR comments by MS are required concerning temporal and spatial coverage	This column is automatically filled in, depending of the spatial and temporal period being in agreement with official limits. The range of discrepancy falls between < 90 % and > 150 %. If the values fall outside the range of discrepancy, this is flagged by 'x', and the Member State is requested to provide a comment in the AR comments. Member State can fill in comments even though no indication is given.
AR Comments	Member State can/must (see above) include an explanation for the discrepancy detected in previous columns. Member State can fill in relevant comments even though no indication is given. Extended comments should only be placed in the text box but need to be referenced in this column.

Text Box 1G

List of research surveys at sea

General comment: This box fulfills Chapter IV of the multiannual Union programme and Article 2 and Article 7 paragraph (3) of the Implementing Decision (EU) 2016/1701. It is intended to specify which reseach surveys at sea set out in Table 10 of the multiannual Union programme will be carried out. Member States shall specify whether the research survey is included in Table 10 of the multiannual Union programme or whether it is an additional survey.

General comment: This box is applicable to the Annual Report. This box should provide complementary information on the performance of the surveys, the results and their main use.

1. Objectives of the survey

2. Description of the methods used in the survey. For mandatory surveys, link to the manuals. Include a graphical representation (map)

3. For internationally coordinated surveys, describe the participating Member States/vessels and the relevant international group in charge of planning the survey

4. Where applicable, describe the international task-sharing (physical and/or financial) and the cost-sharing agreement used

5. Explain where thresholds apply

(max. 450 words per survey)

6. Graphical representation (map) showing the positions (locations) of the realized samples.

   Member State shall provide maps presenting the spatial distribution of the main sampling types obtained during the survey.

7. For internationally coordinated surveys, provide a link to the latest meeting report of the coordination group.

Member State shall provide a hyperlink to the meeting report from the body coordinating the survey (ICES, MEDITS coordination group, MEDIAS coordination group etc.). For non-international coordinated surveys, Member State shall refer to any status report (e.g. Cruise report).

8. List the main use of the results of the survey (e.g. indices, abundance estimates, environmental indicators).

Member State shall specify in which context the results are used (on routine basis), both on an international as well as on a national context.

9. Extended comments (Tables 1G and 1H)

If the Member State has extended AR Comments, these can be placed under this section. If this is the case, a reference to this text box should be provided in the corresponding tables.

(max 450 words per survey)

Table 1H

Research survey data collection and dissemination

| | | | | | | | WP years | 2017-2019 |
MS	Name of survey	Acronym	Type of data collected	Core/Additional variable	Used as basis for advice (Y/N)	Comments	Was the sampling carried out? (Y/N/P)	Relevant International database	Was the data uploaded to the relevant database? (Y/N)	Other data assimilations? (Y/N)	Indication if AR comments are required by MS	AR comments
							AR year					
DNK	Baltic International Trawl Survey	BITS Q1	Biological data for Cod in the Baltic	C	Y		Y		Y	Y		
DNK	Baltic International Trawl Survey	BITS Q1	CTD by Haul	A	N		Y		N	Y		
DNK	International Bottom Trawl Survey	IBTS Q1	Biological data for Cod IVa	C	Y		N		Y	Y	x	
DNK	International Bottom Trawl Survey	IBTS Q1	Litteritems in the trawl	A	N		Y		Y			

General comment: This table fulfills Chapter IV of the multiannual Union programme. This table is intended to specify data to be collected in relation to the research surveys at sea that are described in Table 1G of this Annex.

General comment: This table is applicable to the Annual Report. This table should provide information on the data collected in relation to the research surveys at sea.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Name of survey	Member State shall state the name of the survey. For mandatory surveys the name shall be the same as the one used in Table 10 of the multiannual Union programme.
Acronym	Member State shall state the acronym of the survey. For mandatory surveys the acronym shall be the same as the one used in Table 10 of multiannual Union programme.
Type of data collected	Member State shall state the type of data collected. Use a separate line for each type of data collected. Member State is prompted to use the following categories: biological data for a given stock, larvae data for a given stock, egg production for a given stock, CTD by haul, litter by haul, marine mammal, turtles, sea bird observations, benthos in the trawl, etc. In the case of multispecies surveys, different stocks may be grouped.
Core/Additional variable	Core variables are those resulting from core sampling activities driving the survey design. Additional variables are all the rest. Reporting of additional variables is not mandatory.
Used as basis of advice (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) if the data collected is expected to be used as basis for advice. Member State can specify in the 'Comments' the type of advice (stock assessment, integrated ecosystem assessment, national advice, etc.).
Comments	Any further comment.
Was the sampling carried out? (Y/N/P)	Member State shall enter 'Y' (yes), 'N' (no) or 'P' (partially) if the particular data object was/was not/was partially sampled during the survey. If 'P' is entered, Member State shall specify what data has been collected in 'AR comments'.
Relevant international database	This will be automatically filled in if the name of the survey and acronym is the same as in Table 1G. If not, the Member State shall state the name of the international database, in relation to the data collected under the research survey, or enter 'no existing database'. This applies to the existence of an international database, not to the fact that data are, or are not, uploaded.
Was the data uploaded to the relevant database? (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) to indicate if the particular data object is uploaded or not to the relevant database.
Other data assimilations? (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) to indicate if the disaggregated data are/are not submitted or assimilated to other scientific bodies than the relevant database.
Indication if AR comments are required by MS	This column is automatically filled in. If the answer in the fields of the Annual Report part if this Table is either 'N' or 'P', then the row will be flagged in this field with an 'x' to ensure that the Member State is aware that an explanation is requested. Member State can fill in comments even if no indication is given.
AR Comments	Member State can/must (see above) include an explanation for the discrepancy detected between planned and achieved effort. Member State can fill in comments even though no indication is given. Extended comments should only be placed in the text section (Text Box 1G) but need to be referenced in this column

SECTION 2

FISHING ACTIVITY DATA

Table 2A

Fishing activity variables data collection strategy

MS	Supra region	Region	Variable Group	Variable	Fishing technique	Length class	Metiers (level 6)	Data collected under control regulation appropriate for scientific use (Y/N/I)	Type of data collected under control regulation used to calculate the estimates	Expected coverage of data collected under control regulation (% of fishing trips)
	North Atlantic	North Sea and Eastern Arctic	Effort		Beam trawlers	18-< 24 m	All metiers	I	Sales notes	50 %
	North Atlantic	North Sea and Eastern Arctic	Effort		Beam trawlers	40 m or larger	OTBDEF8090	Y	Logbooks, VMS data, Sales notes	100 %
	North Atlantic	North Sea and Eastern Arctic	Landings		Drift and/or fixed netters	12-< 18 m	All metiers	I	Fishing forms, Sales notes	75 %
	North Atlantic	North Sea and Eastern Arctic	Landings				All metiers	N	NA	NA
	North Atlantic	North Sea and Eastern Arctic	Capacity				All metiers	I	Logbooks, Sales notes	90 %

						WP years	2017-2019
						AR year	

MS	Additional data collection (Y/N)	Data collection scheme	Planned coverage of data collected under complementary data collection (% of fishing trips)	Comments	Data collected under control regulation accessible for scientific use (Y/N/I)	Data source for complementary data collection	Achieved coverage of data collected under complementary data collection	Response Rate (%)	AR comments
	Y	Probability sampling survey	5 %						
	N	None	NA						
	Y	Indirect survey	10 %						
	Y	Non probability sampling survey	5 %						
	Y	Census survey	100 %						

General comment: This table fulfills provision 4 of Chapter III of the multiannual Union programme and Article 2 and Article 4 paragraph (2) point (a) of the Implementing Decision (EU) 2016/1701. This table is intended to state and describe the method used to derive estimates on representative samples where data are not to be recorded under Council Regulation (EU) No 1224/2009 (¹) or where data collected under Regulation (EU) No 1224/2009 are not at the right aggregation level for the intended scientific use.

General comment: This table is applicable to the Annual Report. This table should provide information on the implementation of the data collection of fishing activity variables of Member States.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Supra region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level III). If information refers to all regions, insert 'all regions'.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
Variable group	Member State shall refer to the naming convention of headings used in Table 4 of the multiannual Union programme. Member State shall enter 'Effort', 'Landing' or 'Capacity'.
Variable	Member State shall refer to the naming convention of variables used in Table 4 of the multiannual Union programme. The Work Plan contains only one column, 'Variable Group', which may include either 'Variable Group' or 'Variable'. This column has been added for ease and improved consistency, because 'Variable Group' should be listed separately from 'Variable'.
Fishing technique	Member State shall refer to the naming convention used in Table 5(B) of the multiannual Union programme.
Length class	
Metiers (level 6)	Member State shall refer to the naming convention used in Table 2 of the multiannual Union programme. Only to be identified if Member State has a specific sampling frame defined by 'metier by segment'. Otherwise Member State can provide 'all metiers' but the information has to be reported by 'fleet segment by metiers'.
Data collected under control regulation appropriate for scientific use (Y/N/I)	Member State shall enter 'Y' (yes), 'N' (no) or 'I' (insufficient).
Type of data collected under control regulation used to calculate the estimates	Member State shall enter the type of data collected: logbooks, sales notes, VMS data, etc.
Expected coverage of data collected under control regulation (% of fishing trips)	For each of the data sources, the planned coverage percentage, estimated on the basis of fishing trips, shall be provided as quality assurance and quality control framework indicators.
Additional data collection (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no), if additional data collection is planned.
Data collection scheme	Member State shall enter the data collection scheme: probability sampling survey, non-probability sampling survey, indirect survey, census survey, none, etc.

Name of the variable	Guidance
Planned coverage of data collected under complementary data collection (% of fishing trips)	For each of the data sources, the planned coverage percentage, estimated on the basis of fishing trips, shall be provided as quality assurance and quality control framework indicators.
Comments	Any further comment.
Data collected under control regulation accessible for scientific use (Y/N/I)	This field is linked to paragraph 3 (b) of Chapter III of the multiannual Union programme, regarding data collection for 'Data to assist in the assessment of the impact of fisheries in Union waters and outside Union waters on marine habitats'. Data collected under the Control Regulation is needed to determine the impact of fishing on habitats, and Member State is requested to provide information on the availability of data and existence of time lags. Member State shall enter 'Y' (yes), 'N' (no) or 'I' (insufficient).
Data source for complementary data collection	Member State shall enter the type of data source for complementary data collection. In case of Control Regulation and Fleet register, Member State shall enter 'NA'.
Achieved coverage of data collected under complementary data collection	This field is only applicable in the case of complementary data collection. Member State shall enter the achieved coverage percentage estimated on the basis of fishing trips, for each of the data sources and variables. In case of Control Regulation and Fleet register, Member State shall enter 'NA'.
Response rate (%)	This field is only applicable in the case of complementary data collection. In case of Control Regulation and Fleet register, Member State shall enter 'NA'. The 'Indicators of accuracy' are defined below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (¹)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (²)/frame population no *Presented as %*
	Response rate	achieved sample no (²)/planned sample no (³) *Presented as %*

(¹) **Achieved no** is the number of respondents who supplied data in response to the census.

(²) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(³) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data).

AR comments	Any further comment relevant to AR.

(¹) Council Regulation (EC) No 1224/2009 of 20 November 2009 establishing a Community control system for ensuring compliance with the rules of the common fisheries policy, amending Regulations (EC) No 847/96, (EC) No 2371/2002, (EC) No 811/2004, (EC) No 768/2005, (EC) No 2115/2005, (EC) No 2166/2005, (EC) No 388/2006, (EC) No 509/2007, (EC) No 676/2007, (EC) No 1098/2007, (EC) No 1300/2008, (EC) No 1342/2008 and repealing Regulations (EEC) No 2847/93, (EC) No 1627/94 and (EC) No 1966/2006 (OJ L 343, 22.12.2009, p. 1).

Text box 2A

Fishing activity variables data collection strategy

General comment: This box fulfills paragraph 4 of Chapter III of the multiannual Union programme and Article 2, Article 4 paragraph (2) point (b) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701. It is intended to describe the method used to derive estimates on representative samples where data are not to be recorded under Regulation (EU) No 1224/2009 or where data collected under Regulation (EU) No 1224/2009 are not at the right aggregation level for the intended scientific use.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the data collection of fishing activity variables of Member States.

1. Description of methodologies used to cross-validate the different sources of data

2. Description of methodologies used to estimate the value of landings

3. Description of methodologies used to estimate the average price (it is recommended to use weighted averages, trip by trip)

4. Description of methodologies used to plan collection of the complementary data (sample plan methodology, type of data collected, frequency of collection etc.)

(max 900 words per Region)

5. Deviations from Work Plan methodology used to cross-validate the different sources of data

   List the deviations (if any) and explain the reasons for the deviations.

   Actions to avoid deviations.

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

6. Deviations from Work Plan methodology used to estimate the value of landings.

   List the deviations (if any) and explain the reasons for the deviations.

   Actions to avoid deviations

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology used to estimate the average price.

   List the deviations (if any) and explain the reasons for the deviations.

   Actions to avoid deviations.

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology used to plan collection of the complementary data

List the deviations (if any) and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

(max 900 words per Region)

SECTION 3

ECONOMIC AND SOCIAL DATA

Table 3A

Population segments for collection of fleet economic and social data for fisheries

MS	Supra region	Fishing technique	Length class	Cluster Name	Type of variables (E/S)	Variable	Data Source	Type of data collection scheme	Frequency
	Baltic Sea, North Sea and Eastern Arctic, and North Atlantic	Beam trawlers	18-< 24 m		E	Gross value of landings	questionnaires	A - Census	
	Baltic Sea, North Sea and Eastern Arctic, and North Atlantic	Beam trawlers	40 m or larger		E	Other income	questionnaires	B - Probability Sample Survey	
	Mediterranean Sea and Black Sea	Drift and/or fixed netters	12-< 18 m		E	Wages and salaries of crew	questionnaires	C - Non- Probability Sample Survey	
					S	Employment by gender			

						WP years	2017-2019
						AR year	

MS	Planned sample rate %	Comments	Frame population	Achieved sample number	Achieved Sample Rate %	Response Rate %	Achieved Sample no/Planned sample no.	AR Comments
	100		150	40	26,67 %	100	0,27	

General comment: This table fulfills paragraph 5 points (a), (b) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 4 paragraphs (1) and (2) of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Tables 5(A) and 6 of the multiannual Union programme. Use this Table to give an overview of the population for economic and social data in the fisheries sector.

General comment: This table is applicable to the Annual Report. This table should provide information on the implementation of the fleet socioeconomic data collection of Member States.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Supra region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level III). If information refers to all regions, insert 'all regions'.
Fishing technique	Member State shall refer to the naming convention used in Table 5(B) of the multiannual Union programme.
Length class	
Cluster Name	Member State shall insert cluster name, if clustering has taken place for data collection purposes.
Type of variables (E/S)	Member State shall enter the category that the variables belong to: 'E' (economic) or 'S' (social), based on Table 5(A) of the multiannual Union programme for the economic variables and Table 6 of the multiannual Union programme for the social variables.
Variable	Member State shall refer to the naming convention used in Table 5(A) of the multiannual Union programme, 2nd column for the economic variables and Table 6 of the multiannual Union programme for the social variables.
Data Source	Member State shall enter the data sources used (logbook, sales notes, accounts, questionnaires, etc.). Data sources shall be clearly stated for each variable.
Type of data collection scheme	Member State shall enter the code of the data collection scheme, as follows: A — Census; B — Probability sample survey; C — Non-probability sample survey; D — Indirect survey. In case the variable is not directly collected but estimated, indirect survey is applied. In that case, further explanation on the data collection scheme and estimation method is provided in Text Box 3A of this Annex.
Frequency	Member State shall enter the frequency that economic and social data are to be collected according to provision 5(a)(b) of Chapter III of the multiannual Union programme.
Planned sample rate %	The planned sample rate (%) shall be based on the fleet population, which is defined as vessels included in the Fleet Register on the 31 December and any active vessel fishing at least one day during the year. When data collection for some variables will not be implemented, the column 'Planned sample rate (%)' shall be filled in with 'N' (no). Planned sample rate can be modified based on updated information on the total population (fleet register).
Comments	Any further comment.
Frame population	Frame population should correspond to total population, as described in paragraph 5 point (a) of Chapter III of multiannual Union programme.

Name of the variable	Guidance
Achieved sample number	Achieved sample number should refer to the number of responses (not to the number of questionnaires sent).
Achieved Sample Rate %	Member State shall provide the value of the indicator as defined in the table below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (1)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (2)/frame population no *Presented as %*
	Response rate	achieved sample no (2)/planned sample no (3) *Presented as %*

(1) **Achieved no** is the number of respondents who supplied data in response to the census

(2) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(3) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data).

When data collection for some variables is not be implemented, this column shall be filled in with 'NA' (not applicable).

Response Rate %	Member State shall provide the value of the indicator as defined in the table below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (1)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (2)/frame population no *Presented as %*
	Response rate	achieved sample no (2)/planned sample no (3) *Presented as %*

(1) **Achieved no** is the number of respondents who supplied data in response to the census

(2) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(3) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data)

When data collection for some variables is not be implemented, this column shall be filled in with 'NA' (not applicable).

Name of the variable	Guidance
Achieved Sample no/Planned sample no	Filled in automatically.
AR Comments	Member State shall add comments to clarify any deviation from Work Plan.

Text box 3A

Population segments for collection of economic and social data for fisheries

General comment: This box fulfils paragraph 5 points (a) and (b) of Chapter III of the multiannual Union programme and Article 2, Article 4 paragraphs (1), (2) and (5) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701. It is intended to specify data to be collected under Tables 5(A) and 6 of the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the fleet socioeconomic data collection of Member States.

1. Description of methodologies used to choose the different sources of data

2. Description of methodologies used to choose the different types of data collection

3. Description of methodologies used to choose sampling frame and allocation scheme

4. Description of methodologies used for estimation procedures

5. Description of methodologies used on data quality

(max 900 words per Region)

6. Deviations from Work Plan methodology for selection of data source

List the deviations (if any) from the methodology used to select data source compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology to choose type of data collection

List the deviations (if any) from the methodologies to choose type of data collecton scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology regarding sampling frame and allocation scheme

List the deviations (if any) from the methodologies used regarding sampling frame and allocation scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

9. Deviations from Work Plan methodology used for estimation procedures

List the deviations (if any) from the methodologies used for estimation procedures compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

10. Quality assurance

10.1. Sound methodology

Briefly describe if the data collection follow methodologies, guidelines and best practices agreed in expert groups and whether methodologies are documented and are made publicly available.

10.2. Accuracy and reliability

Response rate and Achieved sample rate are provided in Table 3A.

For additional information, briefly describe how raw data inputs, intermediate results and outputs are regularly assessed and validated and how errors are identified, documented and dealt with.

10.3. Accessibility and Clarity

Indicate with Yes or No

Are methodological documents publicly available?

Are data stored in databases?

Where can methodological and other documentation be found?

Provide the web link, if documentation is publicly available

(max 1 000 words)

Pilot study 3

Data on employment by education level and nationality

General comment: This box fulfills paragraph 5 point (b) and paragraph 6 point (b) of Chapter III of the multiannual Union programme and Article 2 and Article 3 paragraph (3) point (c) of the Decision (EU) 2016/1701.It is intended to specify data to be collected under Table 6 of the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study (including deviations from planned and justifications as to why if this was not the case).

1. Aim of pilot study

2. Duration of pilot study

3. Methodology and expected outcomes of pilot study

(max 900 words)

4. Achievement of the original expected outcomes of pilot study and justification if this was not the case.

5. Incorporation of results from pilot study into regular sampling by the Member State.

(max 900 words)

Table 3B

Population segments for collection of economic and social data for aquaculture

MS	Techniques	Species group	Type of variables (E/S)	Variable	Data source	Type of data collection scheme	Threshold (Y/N)	Threshold Type	Frequency
	Hatcheries and Nurseries	other marine fish	E	Turnover	Financial accounts	A - Census			
	Cages	sea bass & sea bream	E	Energy costs	questionnaires	B - Probability Sample Survey			
	Cages	salmon	E	Energy costs	questionnaires	C - Non-Probability Sample Survey			
			S	Unpaid labour by gender					

	WP years	2017-2019
	AR year	

MS	Planned sample rate %	Comments	Frame population	Achieved sample number	Achieved Sample Rate %	Response Rate %	Achieved Sample no/Planned sample no.	AR Comment
	100		150	40	26,67	100	0,27	

General comment: This table fulfills paragraph 6 points (a) and (b) of Chapter III and Chapter V of the multiannual Union programme and Article 2, Article 3 and Article 4 paragraph (1) of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Tables 6 and 7 of the multiannual Union programme. Use this table to give an overview of the collection of economic and social data of the aquaculture sector.

General comment: This table is applicable to the Annual Report. This table should provide information on the implementation of socio-economic data collection for aquaculture of Member States.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Techniques	Member State shall follow Table 9 of the multiannual Union programme for the segmentation to be applied for the collection of aquaculture data.
Species group	
Type of variables (E/S)	Member State shall enter the category that the variables belong to: 'E' (economic) or 'S' (social), based on Table 7 of the multiannual Union programme for the economic variables and Table 6 of the multiannual Union programme for the social variables.
Variable	Member State shall refer to the naming convention used in Table 7 of the multiannual Union programme, second column for the economic variables and Table 6 of the multiannual Union programme for the social variables.
Data source	Member State shall enter the data sources used (accounts, questionnaires, etc.). Data sources shall be clearly stated for each variable.
Type of data collection scheme	Member State shall enter the code of the data collection scheme, as follows: A — Census; B — Probability sample survey; C — Non-probability sample survey; D — Indirect survey. In case the variable is not directly collected but estimated, indirect survey is applied. In that case, further explanation on the data collection scheme and estimation method is provided in Text Box 3B of this Annex.
Threshold (Y/N)	Member State shall enter 'Y' (yes) or 'N' (no) if a threshold applies, according to Chapter V of the multiannual Union programme.
Threshold Type	Member States shall indicate the threshold types described in paragraph 5 of Chapter V of the multiannual Union programme, as 1, 2 or 3, where: 1. total production of the Member State is less than 1 % of the total Union production volume and value. 2. for species accounting for less than 10 % of the Member State's aquaculture production by volume and value. 3. simplified methodology for Member States with a total production of less than 2,5 % of the total Union aquaculture production volume and value.
Frequency	Member State shall enter the frequency that economic and social data are to be collected according to provision 5(a)(b) of Chapter III of the multiannual Union programme.
Planned sample rate %	The planned sample rate (%) shall be based on the population, as defined in provision 6(a) of Chapter III of the multiannual Union programme. When data collection for some variables will not be implemented, the column 'Planned sample rate (%)' shall be filled in with 'N' (no). Planned sample rate can be modified based on updated information on the total population.
Comments	Any further comment.
Frame population	Frame population should correspond to the total population as described in paragraph 6(a) of Chapter III of the multiannual Union programme.

Name of the variable	Guidance
Achieved sample number	Achieved sample number should refer to the number of responses (not to the number of questionnaires sent).
Achieved sample rate %	Member State shall provide the value of the indicator as defined in the table below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (¹)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (²)/frame population no *Presented as %*
	Response rate	achieved sample no (²)/planned sample no (³) *Presented as %*

(¹) **Achieved no** is the number of respondents who supplied data in response to the census.

(²) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(³) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data).

When data collection for some variables is not be implemented, this column shall be filled in with 'NA' (not applicable).

Name of the variable	Guidance
Response rate %	Member State shall provide the value of the indicator as defined in the table below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (¹)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (²)/frame population no *Presented as %*
	Response rate	achieved sample no (²)/planned sample no (³) *Presented as %*

(¹) **Achieved no** is the number of respondents who supplied data in response to the census.

(²) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(³) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data).

When data collection for some variables is not be implemented, this column shall be filled in with 'NA' (not applicable).

Name of the variable	Guidance
Achieved Sample no/Planned sample no	Filled in automatically.
AR Comments	Member State shall add comments to clarify any deviation from Work Plan.

Text Box 3B

Population segments for collection of economic and social data for aquaculture

General comment: This box fulfills paragraph 6 points (a) and (b) of Chapter III of the multiannual Union programme and Article 2, Article 4 paragraphs (1) and (5) and Article 5 paragraph (2) of the Implementing Decision (EU) 2016/1701. It is intended to specify data to be collected under Tables 6 and 7 of the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the socioeconomic data collection for aquaculture of Member States.

1. Description of methodologies used to choose the different sources of data

2. Description of methodologies used to choose the different types of data collection

3. Description of methodologies used to choose sampling frame and allocation scheme

4. Description of methodologies used for estimation procedures

5. Description of methodologies used on data quality

(max 1 000 words)

6. Deviations from Work Plan methodology for selection of data source

   List the deviations (if any) from the methodology used to select data source compared to what was planned in the Work Plan, and explain the reasons for the deviations.

   Actions to avoid deviations

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology to choose type of data collection

   List the deviations (if any) from the methodologies to choose type of data collecton scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

   Actions to avoid deviations

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology regarding sampling frame and allocation scheme

List the deviations (if any) from the methodologies used regarding sampling frame and allocation scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

9. Deviations from Work Plan methodology used for estimation procedures

List the deviations (if any) from the methodologies used for estimation procedures compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

10. Quality assurance

10.1. Sound methodology

Briefly describe if the data collection follow methodologies, guidelines and best practices agreed in expert groups and whether methodologies are documented and are made publicly available.

10.2. Accuracy and reliability

Response rate and Achieved sample rate are provided in Table 3B.

For additional information, briefly describe how raw data inputs, intermediate results and outputs are regularly assessed and validated and how errors are identified, documented and dealt with.

10.3. Accessibility and Clarity

Indicate with Yes or No

Are methodological documents publicly available?

Are data stored in databases?

Where can methodological and other documentation be found?

Provide the web link, if documentation is publicly available

(max 1 000 words)

Pilot study 4

Environmental data on aquaculture

General comment: This box fulfills paragraph 6 point (c) of Chapter III of the multiannual Union programme and Article 2 and Article 4 paragraph (3) point (d) of the Implementing Decision (EU) 2016/1701. It is intended to specify data to be collected under Table 8 of the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box is intended to provide information on the results obtained from the implementation of the pilot study (including deviations from planned and justifications as to why if this was not the case).

1. Aim of pilot study

2. Duration of pilot study

3. Methodology and expected outcomes of pilot study

(max 900 words)

4. Achievement of the original expected outcomes of pilot study and justification if this was not the case.

5. Incorporation of results from pilot study into regular sampling by the Member State.

(max 900 words)

Table 3C

Population segments for collection of economic and social data for the processing industry

MS	Segment	Type of variables (E/S)	Variables	Data sources	Type of data collection scheme	Frequency	Planned sample rate %
	Companies <= 10	E	Turnover	financial accounts	B - Probability Sample Survey		30
	Companies 11-49	E	Other operational costs	questionnaires	B - Probability Sample Survey		
	Companies 50-250	E	Other operational costs	questionnaires	A - Census		
	Companies > 250	E	Other income	questionnaires	B - Probability Sample Survey		
		S	Unpaid labour by gender				

					WP years	2017-2019
					AR year	
MS	Comments	Frame population	Achieved sample number	Achieved Sample Rate %	Response Rate %	Achieved Sample no/Planned sample no.	AR Comments
		30	9	30,00 %	100	1,00	

General comment: This table fulfills footnote 6 of paragraph 1.1(d) of Chapter III of the multiannual Union programme and Article 2, Article 3 and Article 4 paragraph (1) of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Table 11 of the multiannual Union programme. Use this Table to give an overview of the collection of economic and social data of the processing industry. Specify data collection for variables not covered by the ESTAT or for which additional sampling is required. Economic data shall be collected on fish processing companies below 10 employees as well as for companies which have fish processing as a secondary activity, as well as for unpaid labour and raw material. Employment data, by gender, shall be collected for all companies' sizes.

General comment: This table is applicable to the Annual Report. This table should provide information on the implementation of socioeconomic data collection for the processing industry of Member States.

Name of the variable	Guidelines
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Segment	The criteria for the segmentation shall be the number of persons employed. The following segmentation is recommended: companies ≤ 10; companies 11-49; companies 50-250; companies > 250.
Type of variables (E/S)	Member State shall enter the category that the variables belong to: 'E' (economic) or 'S' (social), based on Table 11 of the multiannual Union programme.
Variables	Member State shall refer to the naming convention used in Table 11 of the multiannual Union programme.
Data Sources	Member State shall enter the data sources used (accounts, questionnaires, etc.). Data sources shall be clearly stated for each variable.
Type of data collection scheme	Member State shall enter the code of the data collection scheme, as follows: A — Census; B — Probability sample survey; C — Non-probability sample survey; D — Indirect survey. In case the variable is not directly collected but estimated, indirect survey is applied. In that case, further explanation on the data collection scheme and estimation method is provided in Text Box 3C of this Annex.
Frequency	Member State shall enter the frequency that economic and social data shall be collected.
Planned sample rate %	The planned sample rate (%) shall be based on the population. When data collection for some variables will not be implemented, the column 'Planned sample rate (%)' shall be filled in with 'N' (no). Planned sample rate can be modified based on updated information on the total population.
Comments	Any further comment.
Frame population	Number of enterprises accessible for sampling (in each of the segments, if segmentation is used).
Achieved sample number	Achieved sample number should refer to the number of responses (not to the number of questionnaires sent).

Name of the variable	Guidelines
Achieved sample rate %	Member State shall provide the value of the indicator as defined in the table below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (¹)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (²)/frame population no *Presented as %*
	Response rate	achieved sample no (²)/planned sample no (³) *Presented as %*

(¹) **Achieved no** is the number of respondents who supplied data in response to the census.

(²) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(³) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data).

When data collection for some variables is not be implemented, this column shall be filled in with 'NA' (not applicable).

Name of the variable	Guidelines
Response rate %	Member State shall provide the value of the indicator as defined in the table below:

Type of data collection	Accuracy indicators	Definition and *presentation*
A: Census	Response rate	achieved no (¹)/frame population no *Present as %*
B: Probability Sample survey C: Non-Probability Sample survey	Achieved sampling rate	achieved sample no (²)/frame population no *Presented as %*
	Response rate	achieved sample no (²)/planned sample no (³) *Presented as %*

(¹) **Achieved no** is the number of respondents who supplied data in response to the census.

(²) **Achieved sample no** is the number of respondents that supply data (and not, for instance, the number of questionnaires sent out, or number of companies contacted).

(³) **Planned sample no** is the number of units to be contacted for the survey (even though not all of them may respond and supply data).

When data collection for some variables is not be implemented, this column shall be filled in with 'NA' (not applicable).

Name of the variable	Guidelines
Achieved Sample no/Planned sample no	Filled in automatically.
AR Comments	Member State shall add comments to clarify any deviation from Work Plan.

Text Box 3C

Population segments for collection of economic and social data for the processing industry

General comment: This box fulfils footnote 6 of paragraph 1.1(d) of Chapter III of the multiannual Union programme, Article 2, Article 4 paragraphs (1) and (5) and Article 5 paragraph (2) of Implementing Decision (EU) 2016/1701. It is intended to specify data to be collected under Table 11 of the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the implementation of the socioeconomic data collection for the processing industry of Member States.

1. Description of methodologies used to choose the different sources of data

2. Description of methodologies used to choose the different types of data collection

3. Description of methodologies used to choose sampling frame and allocation scheme

4. Description of methodologies used for estimation procedures

5. Description of methodologies used on data quality

(max 1 000 words)

6. Deviations from Work Plan methodology for selection of data source

   List the deviations (if any) from the methodology used to select data source compared to what was planned in the Work Plan, and explain the reasons for the deviations.

   Actions to avoid deviations

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

7. Deviations from Work Plan methodology to choose type of data collection

   List the deviations (if any) from the methodologies to choose type of data collecton scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

   Actions to avoid deviations

   Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

8. Deviations from Work Plan methodology to choose sampling frame and allocation scheme

List the deviations (if any) from the methodologies used to choose sampling frame and allocation scheme compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

9. Deviations from Work Plan methodology used for estimation procedures

List the deviations (if any) from the methodologies used for estimation procedures compared to what was planned in the Work Plan, and explain the reasons for the deviations.

Actions to avoid deviations

Briefly describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section can be skipped.

10. Quality assurance

10.1. Sound methodology

Briefly describe if the data collection follow methodologies, guidelines and best practices agreed in expert groups and whether methodologies are documented and are made publicly available.

10.2. Accuracy and reliability

Response rate and Achieved sample rate are provided in Table 3C.

For additional information, briefly describe how raw data inputs, intermediate results and outputs are regularly assessed and validated and how errors are identified, documented and dealt with.

10.3. Accessibility and Clarity

Indicate with Yes or No:

Are methodological documents publicly available?

Are data stored in databases?

Where can methodological and other documentation be found?

Provide the web link, if documentation is publicly available.

(max 1 000 words)

SECTION 4

SAMPLING STRATEGY FOR BIOLOGICAL DATA FROM COMMERCIAL FISHERIES

Table 4A

Sampling plan description for biological data

MS	MS participating in sampling	Region	RFMO/ RFO/IO	Sub-area/ Fishing ground	Scheme	Stratum ID code	PSU type	Catch fractions covered	Species/Stocks covered for estimation of volume and length of catch fractions	Seasonality (Temporal strata)	Reference years	Average Number of PSU during the reference years
					at-sea scheme 1	1	trips		All	Annual	2016	3 000
					at-sea scheme 2	2	vessels		All	Annual	2016	200
					on-shore 1	stratum 1	loc days		LAN, BMS	Annual	2016	365
					on-shore 1	stratum 2	loc days		LAN, BMS	Annual	2016	10 950

				WP years	2017-2019
				AR year	

MS	Planned number of PSUs	Comments	Conformity			Informative DATA						AR Comments
			Total number of PSU in the sampling year	Achieved number of PSU in the sampling year	% of achievement (100*Q/N)	Number of unique vessels with activity in the stratum	Number of unique vessels sampled	Number of fishing trips in the stratum	Number of fishing trips sampled	Number of species with length measurements	Total number of length measurements	
	20		2 765	19			12		19	127	12 675	ref 1
	10		199	30			29		30	113	27 312	
	40		365	40			15		80	16	6 320	ref 2
	40		10 950	40			15		80	43	5 634	

General comment: This table fulfils Article 3, Article 4 paragraph (4) and Article 8 of the Implementing Decision (EU) 2016/1701 and forms the basis for the fulfilment of paragraph 2 point (a)(i) of Chapter III of the multiannual Union programme. This table refers to data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this table to identify all fishery-dependent sampling schemes in the Member State. The Member State shall list the strata within the scheme, the primary sampling unit (PSU) type and the envisaged number of PSUs that will be available in the year of submission. For each stratum, Member State shall record the number of PSUs it is planning to undertake.

General comment: This table is applicable to the Annual Report. This table should provide information on the achieved level of sampling of Member States.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
MS participating in sampling	If the sampled activity has been carried out according to a regionally coordinated programme, all participating Member States shall be listed. Otherwise, the Member State responsible for the sampling shall be listed. Links to planned regional and international coordination or bi- and multilateral agreements, where available, shall be listed in the 'Comments'.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Sub-area/Fishing ground	Member State shall indicate the fishing ground (e.g. the ICES area, the GFCM GSA, the NAFO area, etc.).
Scheme	Member State shall state the sampling scheme: 'at markets', 'at sea', a combination of both methods or 'other'. If 'other' is used (e.g. 'other (Market stock-specific sampling)'), it shall be described in Text Box 4A of this Annex.
Stratum ID code	Member State shall indicate a unique code to identify each stratum within the scheme. Free text or coding can be used, but it shall always coincide with the 'stratum ID code', as in Table 4B of this Annex. Strata with no coverage (i.e. no planned number of PSUs) shall also be detailed, in order to provide measurement on coverage of the sampling plan.
PSU type	Member State shall indicate the primary sampling unit (PSU) inside each stratum. PSU could be fishing trip, fishing vessel, port, fishing day, etc.
Catch fractions covered	Member State shall indicate which fraction of the catch is to be sampled. Insert 'Catch', if the bulk catch is sampled, 'Landings', 'Discards', 'Landings+Discards', etc.

Name of the variable	Guidance
Species/Stocks covered for estimation of volume and length of catch fractions	Member State shall indicate if the sampling plan covers all or only a part of the species. Insert 'all species and stocks', 'only stocks in Table 1A, 1B and 1C', 'selected species/stocks' and specify further in 'Comments'.
Seasonality (Temporal strata)	Member State shall provide a keyword description of the sampling scheme in terms of temporal stratification: 'monthly', 'quarterly', 'annual', etc.
Reference years	Member State shall indicate the year(s) used as a reference for the expected primary sampling units in the year of implementation of the sampling scheme. Member State shall use the three most recent years (e.g. '2014-2016'). Reasons may be given to justify the use of a different period.
Average number of PSUs during the reference years	Member State shall indicate the total number of PSUs calculated as the average values of the years used as reference.
Planned number of PSUs	Member State shall state the planned number of PSU to be sampled.
Comments	Any further comment.
Total number of PSU in the sampling year	Member State shall record the total number of primary sampling units (PSU) that were available for selection for the specified stratum in the sampling year. The PSU is as defined in the Work Plan table 4A in the column 'PSU type'. These typically are vessel, trip, location and time etc. The total number of PSU should be broadly similar to the 'Average number of PSU in the reference year' column in the Work Plan; it will however reflect the actual situation found in the sampling year. If there is a temporal element to the stratum definition in the work plan that relates to less than the whole year, then the PSU total must respect this. Work Plan table 4A should include one or more rows for strata for which no sampling is planned. In the Annual Report, this should be populated with the actual number of PSU for unsampled strata.
Achieved number of PSU in the sampling year	Member State shall record the number of primary sampling units (PSU) from which data was successfully collected for the specified stratum in the sampling year. The PSU is as defined in the Work Plan table 4A in the column 'PSU type' (these typically are vessel, trip, location and time etc.). The achieved number of PSU should be broadly similar to the 'Planned number of PSU' entry in the Work Plan. It will however reflect the actual situation found in the sampling year. If there is a temporal element to the stratum definition in the work plan that relates to less than the whole year, then the achieved PSU must respect this.
% of achievement (100* Q/N)	Based on columns 'Achieved number of PSU'/'Planned number of PSU', this percentage indicates the achievement in sampling.
Number of unique vessels with activity in the stratum	This field relates to both on shore and at-sea sampling. It should contain the unique number of vessels with activity during the sampling year for the schemes and the strata specified.
Number of unique vessels sampled	This field relates to both on shore and at-sea sampling. It should contain the unique number of vessels sampled for the schemes and the strata specified.

Name of the variable	Guidance
Number of fishing trips in the stratum	This field relates to both on shore and at-sea sampling. It should contain the unique number of fishing trips for the schemes and the strata specified.
Number of fishing trips sampled	This field relates to both on shore and at-sea sampling. It should contain the unique number of fishing trips sampled for the schemes and the strata specified. More than one fishing trips could have been sampled from the same vessel.
Number of species with length measurements	This field should include the number of recorded species, for which length measurements have been taken. This is distinct from the species for which biological data has been collected. In the case of RDB data, it will include the species listed in the table HL.
Total number of length measurements	This field should include the total number of recorded length measurements that have been taken. This is distinct from the species for which biological data has been collected. In the case of RDB data it will include the species listed in the table HL.
AR Comments	If there is a deviation between the 'Planned number of PSU' and the 'Achieved number of PSU in the sampling year', the Member State shall provide a reference for this discrepancy. More detailed explanation shall be provided in the text box 4A.

Text box 4A

Sampling plan description for biological data

General comment: This box fulfills Article 3, Article 4 paragraph (4) and Article 8 of the Implementing Decision (EU) 2016/1701 and forms the basis for the fulfilment of paragraph 2 point (a)(i) of Chapter III of the multiannual Union programme. This Table refers to data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme.

General comment: This box is applicable to the Annual Report. This box should provide information on the deviations from the planned sampling of Member States.

Description of the sampling plan according to Article 5 paragraph (3) of the Implementing Decision (EU) 2016/1701

(max 900 words per region)

Deviation from the sampling plan according to Article 5 paragraph (3) of the Implementing Decision (EU) 2016/1701:

Deviations from the Work Plan

Member State shall list the deviations (if any) in the achieved data collection, compared to what was planned in the Work Plan and explain the reasons for the deviations.

Action to avoid deviations

Member State shall describe the actions that will be considered/have been taken to avoid the deviations in the future and when these actions are expected to produce effect. If there are no deviations, then this section is not applicable.

(max. 1 000 words per region OR fishing ground)

Table 4B

Sampling frame description for biological data

MS	Stratum ID number	Stratum	Sampling frame description	Method of PSU selection	WP years / 2017-2019
					AR year
	SCT SD1-5	North Sea offshore fish trawlers	Vessel list of 120 DTS > 18 m	random draw from randomised list	
	SCT SD2-5	North sea offshore prawn trawlers	Vessel list of 60 DTS targeting shellfish	random draw from randomised list	
	SCT SD3-5	North sea inshore trawlers	Vessel list of 250 DTS < 18 m based in NS ports	random draw from randomised list	
	SCT SD4-5	West coast offshore trawlers	Vessel list of 15 DTS > 18 m based in WC ports	random draw from randomised list	
	SCT SD5-5	Westcoast inshore trawlers	Vessel list of 2 500 DTS < 18 m based in WC ports	random draw from randomised list	
	SCT LD1-4	NE main port	1 port active for ~ 345 days	random weekday from systematic (weekly) coverage	
	SCT LD2-4	NE minor ports	25 ports active over 280 days	random weekday from systematic (biweekly) coverage	
	SCT LD3-4	W ports	10 ports active over ~ 300 days	random weekday from systematic (biweekly) coverage	
	SCT LD4-4	Island ports	4 ports active over ~ 250 days	random weekday from systematic (biweekly) coverage	
	L3	trawlers operating in NAFO	vessels with licence to fish in NAFO	random draw from the list of vessels (without replacement)	
	T18	purse seiners fishing tropical tunas in IOTC	purse seiners fishing in Indian Ocean and landing in the port of Victoria (Seychelles)	random draw from purse seiner vessels landing in the port of Victoria (Seychelles)	purse seiner fleet, fishing tropical tunas in Indian Ocean lands their catches in the ports of Victoria, Mahé, Mombasa, Antisarana, but due to the long distance, sampling can be performed only in the port of Victoria (where most of the fleet landings take place)

General comment: This table fulfils Article 3, Article 4 paragraph (4) and Article 8 of the Implementing Decision (EU) 2016/1701 and forms the basis for the fulfilment of paragraph 2 point (a)(i) of Chapter III of the multiannual Union programme. This Table refers to data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this table to provide more detail on the strata and sampling frames of each scheme.

Name of the variable	Guidance
General comment: This Table is not applicable to the Annual Report.	
MS	Member State shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Stratum ID code	Member State shall indicate a unique code to identify each stratum within the scheme. Free text or coding can be used, but it shall always coincide with the 'stratum ID code', as in Table 4A of this Annex. Strata with no coverage (i.e. no planned number of PSUs) shall also be detailed, in order to provide measurement on coverage of the sampling plan.
Stratum	Member State shall insert a short description (free text) of the sampling strata (e.g. trawlers in the GSA 22; west coast purse-seiners; ports of the NW area, etc.).
Sampling frame description	Member State shall shortly describe (free text) the sampling frame for each stratum (e.g. list of vessels in the GSA 22; list of purse-seiners in the west coast; list of ports in the NW area).
Method of PSU selection	Member State shall indicate the method(s) (free text) for the selection of the primary sampling unit (PSU).
Comments	Any further comment.

Table 4C

Data on the fisheries by Member State

MS	Region	RFMO/RFO/IO	Sub-area/Fishing ground	Reference years	Fleet segment/Metier	Targeted species/ species assemblage	Average number of vessels	Average number of fishing trips	Average number of fishing days	Average landings (tons)	Average landings (tons) in national ports
	Baltic Sea		ICES areas III b-d		demersal trawlers	bottom trawl mixed fishery	102	24 563		57 388	54 234
	Baltic Sea		ICES areas III b-d		demersal seine net	mixed whitefish	6	758		2 264	2 130
	Baltic Sea		ICES areas III b-d		pelagic	mackerel	25	89		119 745	98 403
	North Sea and Eastern Arctic		ICES Sub-areas I, II, IIIa, IV and VIId		OTB_CRU_16-22	shrimps	15	3 625		6 345	6 345
	North Atlantic	NAFO	NAFO	2015-2017	OTB_MDD_130-219_0_0	Mixed demersal and deep water species (Greenland Halibut)	23	47	795	9 125	9 125
	North Atlantic	NAFO	NAFO	2015-2017	OTB_MDD_>=220_0_0	Mixed demersal and deep water species (skates)	19	20	342	4 648	4 648
	North Atlantic	NAFO	NAFO	2015-2017	OTB_CRU_40-59_0_0	Crustaceans (northern shrimp)	2	2	12	25	25
	North Atlantic	NAFO	NAFO	2015-2017	OTM_DEF_130-135_0_0	Demersal species (alfonsino)	1	2	NA *	NA *	NA *
	Other Regions	IOTC	FAO 51+ 57	2015-2017	PS_LPF_0_0_0 (TROP)	Tropical tunas (bigeye, skipjack, yellowfin)	15	157	4 108	127 795	0

| | | | | | | | | WP years | 2017-2019 |
| | | | | | | | | AR year | |
MS	Average landings (tons) in foreign ports	Comments	Number of vessels	Number of fishing trips	Number of fishing days	Is the fleet segment/metier covered by any stratum (Y/N)	Landings (tons)	Landings (tons) in national ports	Landings (tons) in foreign ports	AR Comments
	3 154									
	134									
	21 342									
	0									
	0									
	0									
	0									
	0	* Confidential data (only one vessel)								
	127 795	a different reference period (2015-2016) have been taken because during the year 2017 most vessels moved to other regions due to the piracy								

General comment: This table fulfills Article 4 paragraph (4) of the Implementing Decision (EU) 2016/1701 and forms the basis for the fulfilment of paragraph 2 point (a) (i)(ii)(iii) of Chapter III of the multiannual Union programme. This table refers to data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this table to summarize the size and activity of the national fleet.

General comment: This table is applicable to the Annual Report. This table describes the distribution of vessels, fishing effort and landings across the fleets of the Member State in the sampling year.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Sub-area/Fishing ground	Member State shall indicate the fishing ground (e.g. the ICES area, the GFCM GSA, the NAFO area, etc.).
Reference years	Member State shall state the year(s) to which the description of the fisheries actually refers (e.g. 2014-2016). Member State shall select the three most recent years with data available.
Fleet Segment/metier	Data shall be reported by metier (at level 6) as defined in Table 2 of the multiannual Union programme, or fleet segment, as defined in Table 5(B) of the multiannual Union programme.
Targeted species/species assemblage	Member State shall indicate the target species assemblage ('Demersal species', 'Small pelagic fish', etc.) as indicated in Table 2 of the multiannual Union programme.
Average number of vessels	Member State shall indicate the average number of vessels by fleet segment/metier in the given reference years.
Average number of fishing trips	Member State shall indicate the average number of fishing trips by fleet segment/metier in the given reference years.
Average number of fishing days	Member State shall indicate the average number of fishing days by fleet segment/metier in the given reference years.
Average landings (tonnes)	Member State shall report the average volume in live weight (tonnes) of the total landings by fleet segment/metier in the given reference years. This column shall be obtained from the sum of the other two columns of this table: 'Average landings (tonnes) in national ports' and 'Average landings (tonnes) in foreign ports'.
Average landings (tonnes) in national ports	Member State shall report the average volume in live weight (tonnes) of the landings by fleet segment/metier in the given reference years.

Name of the variable	Guidance
Average landings (tonnes) in foreign ports	Member State shall report the average volume in live weight (tonnes) of the landings abroad by fleet segment/metier in the given reference years. If none, indicate '0'.
Comments	Any further comment.
Number of vessels	Member State shall indicate the number of vessels by fleet segment/metier in the sampling year.
Number of fishing trips	Member State shall indicate the number of fishing trips by fleet segment/metier in the sampling year.
Number of fishing days	Member State shall indicate the number of fishing days by fleet segment/metier in the sampling year.
Is the fleet segment/metier covered by any stratum (Y/N)	Member State shall indicate by 'Y' (yes) or 'N' (no) if a given metier/fleet segment is covered by a sampling stratum or not.
Landings (tons)	Member State shall report the volume in live weight (tons) of the total landings by fleet segment/metier in the sampling year. This column shall be obtained from the sum of the other two columns of this table: 'Landings (tons) in national ports' and 'Landings (tons) in foreign ports'.
Landings (tons) in national ports	Member State shall report the volume in live weight (tons) of the landings by fleet segment/metier in the sampling year.
Landings (tons) in foreign ports	Member State shall report the volume in live weight (tons) of the landings abroad by fleet segment/metier in the sampling year. If none, Member State shall indicate '0'.
AR Comments	Any further comment.

Table 4D

Landing locations

									WP years	2017-2019
									AR year	
MS	Region	Sub-area/Fishing ground	Reference years	Landing locations(s)	Average number of locations	Average number of registered landings	Average landed tonnage	Average landed tonnage of national fleet	Average landed tonnage of foreign fleet	Comments
	North Sea and Eastern Arctic	ICES Sub-areas I, II, IIIa, IV and VIId	2015-2017	grouping 1	2	2 894	113 247	102 478	10 769	
	North Sea and Eastern Arctic	ICES Sub-areas I, II, IIIa, IV and VIId	2015-2017	grouping n	37	950	1 564	1 564	0	
	North Sea and Eastern Arctic	ICES Sub-areas I, II, IIIa, IV and VIId	2015-2017							
	North Sea and Eastern Arctic	ICES Sub-areas I, II, IIIa, IV and VIId								

General comment: This table fulfils Article 4 paragraph (4) of the Implementing Decision (EU) 2016/1701 and forms the basis for the fulfilment of paragraph 2 point (a)(i)(ii)(iii) of Chapter III of the multiannual Union programme. This table refers to data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this table to summarise the characteristics of the landings into the Member State.

General comment: This Table is not applicable to the Annual Report.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
Sub-area/Fishing ground	Member State shall indicate the fishing ground (e.g. the ICES area, the GFCM GSA, the NAFO area, etc.).
Reference years	Member State shall state the year(s) to which the description of the landing locations actually refers (e.g. '2014-2016'). Member State shall select the three most recent years with data available.
Landing locations(s)	Member State shall fill in with free text describing the grouping/assemblage of landing locations (e.g. major ports, minor ports, ports, local ports, etc.), if available.
Average number of locations	Member State shall indicate the average number of landing locations by grouping/assemblage in the given reference years, if available.
Average number of registered landings	Member State shall indicate the average number of registered landing operations that took place by grouping/assemblage (if applicable) in the given reference years. As the previous fields are optional, this field could refer the average number of total landings operations in the Member State.
Average landed tonnage	Member State shall indicate the average volume in live weight (tons) of the total landing during the reference years. Data shall be reported by grouping/assemblage of landing places (if applicable). This column shall be given by the sum of the other two columns of this Table: 'Average landed tonnage of national fleet' and 'Average landed tonnage of foreign fleet'.
Average landed tonnage of national fleet	Member State shall indicate the average volume in live weight (tons) of the total landing made by Member State vessels during the reference years by grouping/assemblage of landing places (if applicable).
Average landed tonnage of foreign fleet	Member State shall indicate the average volume in live weight (tons) of the total landing made by foreign vessels during the reference years by grouping/assemblage of landing places (if applicable).If none, indicate '0'.
Comments	Any further comment.

SECTION 5

DATA QUALITY

Table 5A

Quality assurance framework for biological data

							Sampling design	
MS	MS participating in sampling	Sampling year/period	Region	RFMO/RFO/IO	Name of sampling scheme	Sampling frame	Is the sampling design documented?	Where can documentation on sampling design be found?
GRC	GRC	2017	Mediterran ean Sea	GFCM	Sampling at sea	List of licensed vessels in all Greek GSAs	Y	Greece NP Proposal 2011-13 https://datacollection.jrc.ec.europa.eu/nps
GRC	GRC	2017	Mediterran ean Sea	GFCM	Sampling on shore	List of licensed vessels in all Greek GSAs	Y	Greece NP Proposal 2011-13 https://datacollection.jrc.ec.europa.eu/nps

	Sampling implementation	Data capture		Data Storage		Data processing
MS	Are non- responses and refusals recorded?	Are quality checks to validate detailed data documented?	Where can documentation on quality checks for data capture be found?	In which national database are data stored?	In which international data-base(s) are data stored?	Are processes to evaluate data accuracy (bias and precision) documented?
GRC	Y	Y	ICES WKSCMFD report http://www.ices.dk/sites/pub/CM%20Doccuments/2004/ACFM/ACFM1204.pdf	Ministry of Agriculture	NA	Y
GRC	Y	Y	ICES WKSCMFD report http://www.ices.dk/sites/pub/CM%20Doccuments/2004/ACFM/ACFM1204.pdf	Ministry of Agriculture	NA	Y

				WP years	2017-2019
				AR year	
	Data processing				
MS	Where can documentation on processes to evaluate accuracy be found?	Are the editing and imputation methods documented?	Where can documenta-tion on editing and imputation be found?	Comments	AR Comments
GRC	bias: ICES WKACCU report (http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2008/WKACCU/wkaccu_2008.pdf) precision: https://datacollection.jrc.ec.europa.eu/documents/10213/995093/D02+MARE_2014_19_R.pdf (MARE2014_19Med&BS_Deliverable 2.5)	N	NA	Documentation is ex-pected to be made available in 2018	
GRC	bias: ICES WKACCU report (http://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/acom/2008/WKACCU/wkaccu_2008.pdf) precision: https://datacollection.jrc.ec.europa.eu/documents/10213/995093/D02+MARE_2014_19_R.pdf (MARE2014_19Med&BS_Deliverable 2.5)	N	NA	Documentation is ex-pected to be made available in 2018	

General comment: This table fulfills Article 5 paragraph (2) point (a) of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this table to state whether documentation in the data collection process (design, sampling implementation, data capture, data storage and data processing) exists and identify where this documentation can be found. Names on sampling schemes and strata shall be identical to those in Tables 4A and 4B of the Annex of the Implementing Decision (EU) 2016/1701.

General comment: This table is applicable to the Annual Report. This table aims to provide an overview of the relevant improvements done/implemented during the sampling year.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
MS participating in sampling	If the sampling scheme is carried out within a regional/bilateral/multilateral coordinated programme, all participating Member States shall be given. If the sampling scheme is carried out unilaterally, the single Member State shall be given.
Sampling year/period	Member State shall state the year or period for planned sampling.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Name of sampling scheme	Member State shall state the name of the sampling scheme. Names of sampling schemes shall be identical to the names used in Tables 4A and 4B of this Annex, in Table 1D of this Annex ('type of survey') and in Table 1E of this Annex ('species' *'method').
Sampling frame	Member State shall state the sampling frame. Names of sampling frames shall be identical to the names in Tables 4A and 4B of this Annex.
Is the sampling design documented?	Member State shall indicate with 'Y' (yes) or 'N' (no). If 'N' (no), indicate in the 'Comments' when (year) documentation will be available.
Where can documentation on sampling design be found?	Member State shall provide link to web page where the documentation can be found, if Member State responded 'Y' (yes) in previous field. Otherwise, insert 'NA' (not applicable).
Are non-responses and refusals recorded?	Member State shall indicate with 'Y' (yes) or 'N' (no). If 'N' (no), indicate in the 'Comments' when (year) documentation will be available.
Are quality checks to validate detailed data documented?	Member State shall indicate with 'Y' (yes) or 'N' (no). If 'N' (no), indicate in the 'Comments' when (year) documentation will be available.

Name of the variable	Guidance
Where can documentation on quality checks for data capture be found?	Member State shall provide link to web page where the documentation can be found if Member State responded 'Y' (yes) in previous field. Otherwise, insert 'NA' (not applicable).
In which national database are data stored?	Member State shall provide the name of national database, if applicable. Otherwise, insert 'NA' (not applicable).
In which international database(s) are data stored?	Member State shall provide the name of international database(s), if applicable. Otherwise, insert 'NA' (not applicable).
Are processes to evaluate data accuracy (bias and precision) documented?	Member State shall indicate with 'Y' (yes) or 'N' (no). If 'N' (no), indicate in the 'Comments' when (year) documentation will be available.
Where can documentation on processes to evaluate accuracy be found?	Member State shall provide link to web page where the documentation can be found, if Member State responded 'Y' (yes) in previous field. Otherwise, insert 'NA' (not applicable).
Are the editing and imputation methods documented?	Member State shall indicate with 'Y' (yes) or 'N' (no). If 'N' (no), indicate in the 'Comments' when (year) documentation will be available.
Where can documentation on editing and imputation be found?	Member State shall provide link to web page where the documentation can be found, if Member State responded 'Y' (yes) in previous field. Otherwise, insert 'NA' (not applicable).
Comments	Any further comment. Use this field to indicate when documentation will be made available (if that presently is not the case).
AR Comments	Member State shall indicate the columns that contain changes in comparison to the Work Plan. Member State shall remark any relevant improvements done/implemented during the sampling year that mean a step forward in any of the fields covered by this Quality assurance table.

Text Box 5A

Quality assurance framework for biological data

General comment: This box is applicable to the Annual Report. This box fulfills Article 5 paragraph (2) point (a) of the Implementing Decision (EU) 2016/1701. This box is intended to specify data to be collected under Tables 1(A), 1(B) and 1(C) of the multiannual Union programme. Use this box to provide additional information on Table 5A.

Evidence of data quality assurance

Within this section Member State shall provide information on the methodology used to assure the quality of the data collected, highlighting those aspects where changes have been made during the sampling year. Information shall be provided by each sampling scheme for which data was collected. In the case where the same quality assurance framework is applied to all data collection schemes, information can be provided at general level with the indication 'all sampling schemes'.

In those sections of Table 5A where 'N' is indicated, Member States shall explain the main constrains and/or the steps taken to fulfil this obligation. In the cases where a reference documents is requested, Member States shall provide a web link.

In cases where documents are not publicly available, due to institutions internal policy, confidentiality or other reasons, this shall be indicated by the Member State.

Sampling design

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5A.

Sampling implementation

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5A.

Data capture

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5A.

Data Storage

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5A. Please provide a link if the documented revisions are available and not confidential.

Data processing

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5A.

(max. 900 words per Region/RFMO/RFO/IO OR sampling scheme)

Table 5B

Quality assurance framework for socioeconomic data

									Institutional environment			
							P3 Impartiality and objectiveness		P4 Confidentiality			
MS	Sector Name	Sampling year/period	Region	RFMO/ RFO/IO/NSB	Type of data collection scheme	Data Sources	Statistically sound sources and methods	Error checking	Are procedures for confidential data handling in place and documented?	Are protocols to enforce confidentiality between DCF partners in place and documented?	Are protocols to enforce confidentiality with external users in place and documented?

	Statistical processes									
	P5 Sound methodology			P6 Appropriate statistical procedures					P7 Non-excessive burden on respondents	P8 Cost effectiveness
MS	Is sound methodology documented?	Does it follow international standards, guidelines and best practices?	Are methodologies consistent at MS, regional and EU level?	Is there consistency between administrative and other statistical data?	Are there agreements for access and quality of administrative data between partners?	Are data collection, entry and coding checked?	Are editing and imputation methods used and checked?	Are revisions documented and available?	Is duplication of data collection avoided?	Do automatic techniques for data capture, data coding and validation exist?

										WP years	2017-2019
										AR year	
	Statistical Outputs										
	P9 Relevance	P10 Accuracy and reliability		P11 Timeliness and punctuality	P12 coherence and comparability		P13 Accessibility and Clarity				
MS	Are end-users listed and updated?	Are sources, intermediate results and outputs regularly assessed and validated?	Are errors measured and documented?	Are procedures in place to ensure timely execution?	Are procedures in place to monitor internal coherence?	Are statistics comparable over time?	Are methodological documents publicly available?	Are data stored in databases?	Where can documentation be found?	Comments	AR Comments

General comment: This table fulfills Article 5 paragraph (2) point (b) of the Implementing Decision (EU) 2016/1701. This table is intended to specify data to be collected under Tables 5(A), 6 and 7 of the multiannual Union programme. Use this table to state whether documentation in the data collection process exists and identify where this documentation can be found.

General comment: This table is applicable to the Annual Report. This table aims to provide an overview of the relevant improvements done/implemented during the sampling year.

Name of the variable	Guidance
MS	Member State's name shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Sector name	Member State shall indicate the sectors for which data was collected: Fishing; Aquaculture; Processing.
Sampling year/period	Member State shall state the year or period for planned sampling.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If information refers to all regions, insert 'all regions'.
RFMO/RFO/IO/NSB	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO), international organisation (IO) or national statistical body (NSB) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES e.g. agencies, institutions dealing with socioeconomic statistics If no RFMO, RFO, IO or NSB is applicable, 'NA' (not applicable) is used.
Type of data collection scheme	Member State shall indicate the name of sampling schemes. They shall be identical to the names used in Table 3A, Table 3B and Table 3C. Member State shall enter the code of the data collection scheme, as follows: A — Census; B — Probability sample survey; C — Non-probability sample survey; D — Indirect survey. In case the variable is not directly collected but estimated, indirect survey is applied. In that case, further explanation on the data collection scheme and estimation method is provided in Text Box 3A.
Data Sources	Member State shall enter the data sources used (logbook, sales notes, accounts, questionnaires, etc.). Data sources shall be clearly stated for each variable.
Statistically sound sources and methods	Member State shall indicate with 'Y' (yes) or 'N' (no) whether statistically sound sources and methods are in place. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Error checking	Member State shall indicate shall indicate with 'Y' (yes) or 'N' (no) whether errors discovered in published data are corrected at the earliest possible date and publicised. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are procedures for confidential data handling in place and documented?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether procedures for the enforcement, treatment and reduction of confidential data are in place and documented. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.

Name of the variable	Guidance
Are protocols to enforce confidentiality between DCF partners in place and documented?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether protocols to enforce confidentiality between DCF partners are in place and documented. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box referring to the text box.
Are protocols to enforce confidentiality with external users in place and documented?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether protocols to enforce confidentiality with external users are in place and documented. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Is sound methodology documented?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether sound methodology is documented. If yes, please provide reference. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Does it follow international standards, guidelines and best practices?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether sound methodology follows international standards, guidelines and best practices. If 'Y' (yes), please provide reference. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are methodologies consistent at MS, regional and EU level?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether procedures are in place to ensure that standards, concepts, definitions and classifications are consistent between partners at Member State, regional and EU level. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Is there consistency between administrative and other statistical data?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether procedures are in place to ensure the consistency of definitions and concepts between administrative and other statistical data. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are there agreements for access and quality of administrative data between partners?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether there are agreements in place to ensure access to relevant administrative data and quality of relevant administrative data between partners. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are data collection, entry and coding checked?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether data collection, data entry and coding are routinely monitored and revised, as required. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are editing and imputation methods used and checked?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether editing and imputation methods are used and regularly reviewed, revised or updated as required. If no, indicate in the 'Comments' main constraints referring to the text box.
Are revisions documented and available?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether revisions are documented and available. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Is duplication of data collection avoided?	Member State shall indicate with Y (yes) or N (no) whether administrative sources are used whenever possible to avoid duplication of data collection and reduce burden on respondents. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.

Name of the variable	Guidance
Do automatic techniques for data capture, data coding and validation exist?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether procedures and tools exist to implement automatic techniques for data capture, data coding and validation. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are end-users listed and updated?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether a list of key end-users and their data uses, including a list of unmet user needs, are available and regularly updated. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are sources, intermediate results and outputs regularly assessed and validated?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether data sources, intermediate results and statistical outputs are regularly assessed and validated. If 'N' (no), indicate in the 'Comments' main constraints referring to the text Box.
Are errors measured and documented?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether sampling errors and non-sampling errors are measured and systematically documented, according to the European standards. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are procedures in place to ensure timely execution?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether procedures exist to monitor the progress of the tasks and ensure their timely execution. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are procedures in place to monitor internal coherence?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether procedures to monitor internal coherence are developed and carried out in a systematic way and divergences explained. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are statistics comparable over time?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether statistics are comparable over a reasonable period of time, whether breaks in the time series are explained and whether methods to ensure reconciliation over a period of time are made available. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are methodological documents publicly available?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether methodological documents are readily available. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Are data stored in databases?	Member State shall indicate with 'Y' (yes) or 'N' (no) whether primary, detailed and aggregated data and associated metadata are stored in databases. If 'N' (no), indicate in the 'Comments' main constraints referring to the text box.
Where can documentation be found?	Give link to webpage where the documentation can be found, if Member State responded 'Y' (yes) in previous field. Otherwise, insert 'NA' (not applicable).
Comments	Any further comment. Use this field to indicate when documentation will be made available (if that presently is not the case).
AR Comments	Member State shall indicate the columns that contain changes in comparison to the Work Plan. Member State shall remark any relevant improvements done/implemented during the sampling year that mean a step forward in any of the fields covered by this Quality assurance table.

Text Box 5B

Quality assurance framework for socioeconomic data

General comment: This box fulfills Article 5 paragraph (2) point (b) of the Implementing Decision (EU) 2016/1701. This box is intended to specify data to be collected under Tables 5(A), 6 and 7 of the multiannual Union programme. Use this box to provide additional information on Table 5B.

Evidence of data quality assurance

Within this section MS shall provide information on the methodology used to assure the quality of the data collected, highlighting those aspects where changes have been made during the sampling year. Information shall be provided by each sector (Fishing fleet, Aquaculture, Fish processing) for which data was collected and by each data collection scheme. In the case where the same quality assurance framework is applied to all sectors or/and all data collection schemes, information can be provided at general level with the indication 'all sectors' or 'all data collection schemes'.

In those sections of Table 5B where 'N' is indicated, Member States shall explain the main constrains and/or the steps taken to fulfil this obligation. In the cases where a reference documents is requested, Member States shall provide a web link.

In cases where documents are not publicly available, due to institutions internal policy, confidentiality or other reasons, this shall be indicated by the Member State.

Section P3 Impartiality and objectiveness

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P4 Confidentiality

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P5 Sound methodology

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Information on this principle should be briefly explained in Text boxes 3A, 3B and 3C. Description of methodologies used on data quality.

Section P6 Appropriate statistical procedures

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B. Please provide a link if the documented revisions are available and not confidential.

Section P7 Non-excessive burden on respondents

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P8 Cost effectiveness

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P9 Relevance

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P10 Accuracy and reliability

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B. Information on this principle should be briefly explained in Text boxes 3A, 3B and 3C. Description of methodologies used on data quality.

Section P11 Timeliness and punctuality

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P12 coherence and comparability

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B

Section P13 Accessibility and Clarity

Explain main constraints and/or steps taken, if 'N' (no) was indicated in Table 5B. Information and links to documentation on this principle should be briefly explained in Text boxes 3A, 3B and 3C. Description of methodologies used on data quality.

(max. 900 words per Region/RFMO/RFO/IO/NSB OR sector)

SECTION 6

DATA AVAILABILITY

Table 6A

Data availability

							WP years	2017-2019
							AR year	
MS	Data set	Section	Variable group	Year(s) of WP implementation	Reference year	Final data available after	Comments	Date when data was available	AR Comments
	Fleet economic	3A	Revenue/costs	N	N − 1	N + 1, March 1			
	Aquaculture economic		all	N	N − 1	N + 1, March 1			
	Fishing Activity Variable		capacity	N	N	N + 1, January 31			
	Fishing Activity Variable		landings	N	N	N + 1, March 31			
	Fish processing economic		all	N	N − 2	N + 1, November 1			

General comment: This table fulfils Article 6 of the Implementing Decision (EU) 2016/1701. Use this table to provide information on data availability to end-users per data set.

General comment: This table is applicable to the Annual Report. The aim of this table is to provide an overview of the availability of data to end users during the sampling year.

Name of the variable	Guidance
MS	Member State shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Data set	Member State shall refer to the data set for which information on availability will be given. The name of the data set can be derived by the title of the respective tables of this Annex.
Section	Member State shall refer to the specific section of the work plan.
Variable group	Member State shall refer to the specific variables in Tables 1B, 1E, 1I, 2A, 3A, 3B of this Annex. When reference is made to another table, this field can be left empty.
Year(s) of WP implementation	Member State shall refer to the year or years that the work plan will apply.
Reference year	Member State shall refer to the year of the foreseen collection of data.
Final data available after	Member State shall state after how many years from collection, the data will be available to end-users. Use year and month if applicable.
Comments	Any further comment.
Date when data was available	Member State shall indicate the date when data was made available.
AR Comments	Member State shall add a comment, if the date when the data was made available is more than one month after the planned date of submission.

SECTION 7

COORDINATION

Table 7A

Planned regional and international coordination

						WP years	2017-2019
						AR year	
MS	Acronym	Name of meeting	RFMO/RFO/IO	Planned MS participation	Comments	Number of participants	AR Comments
	RCM Med			X			
	WGNSSK		ICES	X			
	MEDITS			X			

General comment: This table fulfills Article 7 paragraph (1) of the Implementing Decision (EU) 2016/1701. Use this table to provide information on the planned participation of the Member State to meetings relevant for data collection under the DCF.

General comment: This table is applicable to the Annual Report. The aim of this table is provide information on the attendance of Member State in the relevant regional and international groups.

Name of the variable	Guidance
MS	Member State shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Acronym	Member State shall provide the official acronym of the meeting attended.
Name of the meeting	Member State shall provide the full official name of the meeting attended.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Planned MS participation	Member State shall mark if it is planned to attend the meeting.
Comments	Any further comment.
Number of participants	Member State shall indicate the number of participants per meeting.
AR Comments	Add comments to clarify any deviation from Work Plan.

Table 7B

Follow-up of recommendations and agreements

										WP years	2017-2019
										AR year	
MS	Region	RFMO/RFO/IO	Source	Section	Topic	Recommenda-tion number	Recommenda-tion/Agreement	Follow-up action	Comments	MS action taken	
	North Atlantic		LM 2014		Metier related variables						
	Baltic		STECF 14-13	VII							
				III.C, III.E							
				III.F							
				all							

General comment: This table fulfils Article 7 paragraph (1) and Article 8 of the Implementing Decision (EU) 2016/1701. Use this table to provide information on how the Member State plans to fulfil the recommendations and agreements relating to data collection under the DCF at the European and international level.

General comment: This table is applicable to the Annual Report. The aim of this table is to provide an overview of the responsive actions taken during the sampling year.

Name of the variable	Guidance
MS	Member State shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Region	Member State shall refer to the naming convention used in Table 5(C) of the multiannual Union programme (level II). If recommendation refers to all regions, insert 'all regions'.
RFMO/RFO/IO	Member State shall enter the acronym of the competent regional fisheries management organisation (RFMO), regional fisheries organisation (RFO) or international organisation (IO) for providing management/advice on the species/stock. e.g. RFMO: ICCAT, GFCM, NAFO e.g. RFO: CECAF e.g. IO: ICES If no RFMO, RFO or IO is applicable, 'NA' (not applicable) is used.
Source	Member State shall provide the source of recommendation in the form of the acronym of the relevant Regional Coordination Meeting (RCM)/Regional Coordination Group (RCG), Liaison Meeting (LM), STECF Expert Working Group (EWG), e.g. 'LM 2014', 'STECF EWG 14-07'.
Section	Member State shall refer to the work plan section, e.g. '1A', '1B', etc. If recommendation applies to several sections, insert the relevant sections. If recommendation applies to all sections, insert 'all'.
Topic	Member State shall refer to the topic to which recommendation applies, e.g. 'Data quality', 'Surveys', etc.
Recommendation number	Member State shall refer to the number assigned to an individual recommendation, where numbers exist.
Recommendation/Agreement	Member State shall refer to the relevant recommendations to the work plan reference period and to the Member State. There is no need to list recommendations and agreements that do not apply to the Member State (e.g. on the terms of reference of ICES expert groups, on actions to be taken by the Commission, etc.).
Follow-up action	Member State shall give a brief description of the actions taken or to be taken. If not applicable Member State should record 'Not applicable'.
Comments	Any further comment.
MS action taken	Member State shall give a brief description of the responsive actions taken.

Table 7C

Bi- and multi-lateral agreements

									WP years	2017-2019
									AR year	
MSs	Contact persons	Content	Coordination	Description of sampling/sampling protocol/sampling intensity	Data transmission	Access to vessels	Validity	Comments		AR Comments
DEU - DNK										
LTU - DEU - LVA - NLD - POL										

General comment: This table fulfils Article 7 paragraph (2) and Article 8 of the Implementing Decision (EU) 2016/1701. Use this table to provide information on the agreements with other Member States and how European and international obligations are met.

General comment: This table is applicable to the Annual Report. The aim of this table is to provide information on the agreements applicable to the sampling year.

Name of the variable	Guidance
MSs	Member States involved in the agreement shall be given as ISO 3166-1 alpha-3 code, e.g. 'DEU'.
Contact persons	Member State shall provide the name and email address of the responsible person from each Member State, involved in the agreement.
Content	Member State shall provide a brief description of the aim of the agreement. Member State shall provide an unambiguous full reference or a valid link to the documentation of the agreement, where relevant, in the 'Comments'.
Coordination	Member State shall describe briefly how the coordination is done/will be done and by whom.
Description of sampling/sampling protocol/sampling intensity	Member State shall describe briefly the sampling to be carried out under the agreement.
Data transmission	Member State shall state which Member State is/will be responsible for submitting which data set.
Access to vessels	Member State shall state if the agreement implies access to other partners' vessels.
Validity	Member State shall mention the year when the agreement expires or the year when the agreement was/will be signed, if it rolls over annually.
Comments	Any further comment.
AR comments	Please provide a comment to say whether there were any changes to the agreements during the sampling year. Use the terms 'Ongoing' if operational, 'Obsolete' if no longer in date and 'New' if added.

ANNEX II

Provisions of the multi-annual Union programme		Corresponding part of the work plan		Corresponding part of the annual report	
Provision	Table	Table	Text	Table	Text
Chapter III					
Footnote 6 of 1.1(d)		3(C)	Text Box 3(C)	3(C)	Text Box 3(C)
2(a)(i)	1(A), 1(B), 1(C)	1(A), 1(B), 1(C)		1(A), 1(C)	Text Box 1(C)
2(a)(ii)	1(A), 1(B), 1(C)	1(A), 1(B), 1(C)		1(A), 1(C)	
2(a)(iii)	1(A), 1(B), 1(C)	1(A), 1(B), 1(C)		1(A), 1(C)	
2(a)(iv)	3	1(D)		1(D)	Text Box 1(D)
2(b)	1(E)	1(E)	Text Box 1(E)	1(E)	Text Box 1(E)
2(c)	1(E)	1(E)	Text Box 1(E)	1(E)	Text Box 1(E)
3(a)	1(D)	1(F)		1(F)	Text Box 1(F)
3(b)				2(A)	
3(c)	—	—	Pilot study 2	1(H)	Pilot study 2
4	4	2(A)	Text Box 2(A)	2(A)	Text Box 2(A)
5(a)	5(A)	3(A)	Text Box 3(A)	3(A)	Text Box 3(A)
5(b)	6	3(A)	Text Box 3(A), Pilot study 3	3(A)	Text Box 3(A), Pilot study 3
6(a)	7	3(B)	Text Box 3(B)	3(B)	Text Box 3(B)
6(b)	6	3(B)	Text Box 3(B)	3(B)	Text Box 3(B)
6(c)	8	—	Pilot study 4	—	Pilot study 4
Chapter IV					
1	10	1(G), 1(H)	Text Box 1(G)	1(G), 1(H)	Text Box 1(G)
Chapter V					
4	—	—	Pilot study 1	—	Pilot study 1