

Proposal for Atlantic and North Sea Fishing Opportunities 2019 :

Calculation Tables for 2019 Discard Plan Exemptions and Deductions

07 November 2018

Generalised Exemption Wording and Structure

n% of Σ annual catches in area *x* of species *y* of size *z* of Vessels (Generic type *a*) of segment *b* of mesh size *c* with device *d*

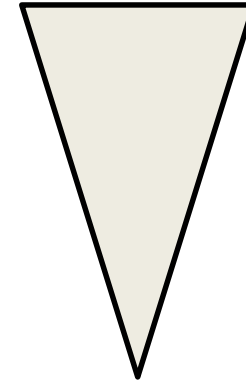
Variable Legend

n	% de minimis amount
Σ	only relevant in combined deminimis (sum annual catches of several species)
x	Area or ICES division
y	Species (or group of species)
z	< or > MCRS? Or all sizes
a	"Trawlers" or "Beam Trawlers" or "Gill netters" etc...
b	TR1 or BT2 etc...
c	80-100mm or >110mm etc...
d	using Grid or other special sorting device

Data Source (if available) for deduction

JR / Delegated act
ICES or STECF
ICES advice
ICES advice
ICES advice
ICES advice
FDI/STECF (if useable)
FDI/STECF (if useable)
? SEPCON Used?

Size of deduction



TAC	ICES MSY Total Catch	COM Proposal pre-deduction	Deduction %	New Proposed TAC
Horse Mackerel JAX/4BC7D	17517	17517	-13.35%	15178
Horse Mackerel JAX08c	19850	19850	-5.00%	18858
Horse Mackerel JAX2A-14	125387	125387	-5.00%	119118

Union Waters 4b, 4c and 7d

ICES data	Horse Mackerel JAX/4BC7D
ICES Total catch	17517
ICES Wanted TAC	15179
ICES Unwanted	2338

13.35%

Step 1	Deduct de minimis from ICES total catch figure	ICES Total catch advice 2019	17517	Comments
	NWW (7d)	de minimis A Contribution	7% 37%	de minimis amount bottom trawls and seines and beam trawls FDI*
	NS (4)	de minimis B Contribution	1% 0%	de minimis amount TR 2 bottom trawls (OTB, OTT, PTB, TBB) FDI**
	Pelagic (7d+4bc)	de minimis C Contribution	err! err!	de minimis amount <25m Pelagic Trawlers (OTM/PTM) FDI***
		Contr. to total catches	13.35%	
		de minimis deduction	2338	
		Total deduction	2338	
		New catch TAC	15179	
		TAC deduction % relative to ICES catch TAC	-13.35%	

2.58
451.2

2017 Fdi? Yes as ICES does not provide gear mesh

* IIA 3B3 = Division 7d

Trawls, beams seines 41.34% of 2013-16 average catches

Codes: BT2, DEM_SEINE, OTTER, TR1, TR2, TR3

ICES % of 4b-c vs 7d average 2013-16 11:89

41.34*0.89 = 36.7926

** IIA 3B2 = Division 4

Codes: TR2

TR2 bottom Trawls % of 2013-16 average catches

<1% not sig. not include in calcs

	4b-c	7d	4a
2013	1453	17175	17
2014	2604	10772	2
2015	782	8568	644
2016	1071	11110	1629
average	1477.5	11906.25	573

*** 7d 1% of mackerel. Horsemackerel, herring and whiting in pelagic vessels of <25m, using OTM and PTM

4b and c 1% of mackerel, horse mackerel herring and whiting OTM/PTM <25m LOA

This level of aggregation not available in FDI

Generates >5000 t deduction! Therefore deduction capped at ICES discard rate

ICES data	Horse Mackerel JAX08c
ICES Total catch TAC 8c only	19850
ICES Wanted TAC	18857
ICES Unwanted	992

5% discards for 2017 in advice

Step 1	Deduct de minimis from ICES total catch figure			Comments
		ICES Total catch advice 2019	19850	
		<i>de minimis A</i>	7%	<i>de minimis</i> amount
		<i>Contribution</i>	49%	beam trawl, bottom trawls and seines FDI 2013-16 Average
		<i>de minimis B</i>	3%	<i>de minimis</i> amount
		<i>Contribution</i>	3%	Gill nets FDI 2013-16 Average
		<i>de minimis C</i>	Err!	<i>de minimis</i> amount
		<i>Contribution</i>	Err!	Pelagic discard plans
		Contr. to total catches	5.00%	
		<i>de minimis deduction</i>	992.0	
		Total deduction	992	
		New catch TAC	18858	
		TAC deduction % relative to ICES catch TAC	-5.00%	

-3.51%

2017 Fdi? Yes as ICES not separating trawl and gillnet

IIB = 8c-9a

Gill nets 2.65% of 2013-16 average catches

Trawls, beams seines 49 % of 2013-16 average catches

Codes GILL, 3B, 3T

Codes: 3A, BEAM, DEM_SEINE, OTTER

4% anchovy, mackerel, horse mackerel catches in area 8 using OTM

IIB=8c-9a

Data is incomplete

5%
79033 3928

4% of horse mackerel, jack mackerel and mackerel in 8, 9 and 10 CECAF 34.1.1, 34.1.2, 34.2.0 Purse Seines (PS)

IIB=8c-9a

2013-2016 average for PEL_SEINE = 1016 t

however this is incomplete on discards

Union waters of 2a, 4a; 6, 7a-c, 7e-k, 8a, 8b, 8d and 8e; Union and international waters of 5b; international waters of 12 and 14

ICES data	Horse Mackerel JAX2A-14
ICES Total catch	125387
ICES Wanted TAC	119118
ICES Unwanted	6269 5% in ICES advice

Step 1 SWW	Deduct de minimis from ICES total catch figure	ICES Total catch advice 2019	125387	Comments
		<i>de minimis A Contribution</i>	7% 3%	<i>de minimis amount</i> beam trawl, bottom trawls and seines FDI 2013-16 8a8b = 33.6*0.0817= 2.75
		<i>de minimis B Contribution</i>	3% 0%	<i>de minimis amount</i> Gill nets FDI 2013-16 Average 8a8b = 3.16*0.0817
		Contr. to total catches <i>de minimis deduction</i>	0.20% 250.8	
Step 2 NWW	Deduct de minimis from ICES total catch figure	ICES Total catch advice 2019	0	Comments
		<i>de minimis A Contribution</i>	7% 8%	<i>de minimis amount</i> beam trawl, bottom trawls and seines FDI 2013-16
		Contr. to total catches <i>de minimis deduction</i>	0.53% 0.0	
Step 3 NS	Deduct de minimis from ICES total catch figure	ICES Total catch advice 2019	0	Comments
		<i>de minimis A Contribution</i>	7% 0%	<i>de minimis amount</i> TR2 Trawls only
		Contr. to total catches <i>de minimis deduction</i>	0.00% 0.0	
		Total deduction	6269	
		New catch TAC	119118	
		TAC deduction % relative to ICES catch TAC	-5.00%	

FDI catches: 2016
8068 2017 Fdi? Yes as ICES not separating trawl and gillnet

ICES 2016 all west stock 98811 BOB 8A and 8B only available
Gill nets 3.16% of 201: CODE GILL, TRAMMEL

8a8b = 8.17% Trawls, beams seines : Code BEAM, DEM_SEINE, OTTER

Area 7a-c and 7e-k excl 7d
FDI CEL 1 22.74% of catches

corrected for share of TAC 7.5042

4a only <1% not significant , not included

ICES 4a vs 4b-c
0.28

	2013	83684	165258
Before Pelagic 251 t		56081	136360
		41063	98419
	2016	35692	98811
		54130	124712

4% anchovy, mackerel, horse mackerel catches in area 8 using OTM

BOB = 8A and 8B PEL_Trawl

4% of Ave 2013-16 catches = 615 t

For DS 8EU

4% of ave catches 13-16 for Pelagic Trawls =6773 t Cant differentiate out OTM vessels

4% of horse mackerel, jack mackerel and mackerel in 8, 9 and 10 CECAF 34.1.1, 34.1.2, 34.2.0 Purse Seines (PS)

BOB= 8A and 8B

PEL_SEINE

4% of Ave 2013-16 catches = 186 t

For DS 8EU Seine unavailable