

Annex 6 Final TAC adjustments calculation

Summary

	Stocks under Landing Obligation	De minimis requested	De minimis Applied	top up %	Top up - additional quota	Comments
SWW	Hake VIIIc, IX and X	Yes	Yes	7.1%	2970	
	Sole BoB	yes	no	0	0	Stock under plan, landings already > ICES advice
	Hake VIIIabde	yes	yes	4.58%	313t	
	Plaice VIII, IX (X and Union)	no	no	0	0	Statement Stock discard unknown, no top up possible
	Sole VIIIcde and IX	no	no	0	0	Statement Stock discard unknown, no top up possible
	Anglerfish VIIIabde	no	no	0	0	top up would be 0.004%
	Anglerfish VIIIc and Ixa	no	no	0	0	no discard information no top up can be calculated
	NEP VIIIc	no	no	0	0	survivability exemption - no top up
	NEP IX,X,CECAF	no	no	0	0	survivability exemption - no top up
NEP VIIIabde	no	no	0	0	survivability exemption - no top up	
NWW	Whiting Areas VII b-k	yes	yes			proposal after EU / NOR
	Sole VI	no	no	0%		Statement stock , no discard
	Sole VIIId	yes	yes	4.35%	98t	
	Sole VIIe	yes	yes	0	0t	de min and discard >ICES advice
	Sole VIIb,c	no	no			Statement stock already > ICES catch advice.
	Sole VIIf,g	yes	no	0.4%	3t	de min and discard >ICES advice
	Sole VIIhjk	yes -partial	no			ICS no discards TAC = ICES catch advice
	Hake V,VI,VII	no	no	0.7%	444t	main fleet not under LO
	Nep VI	yes	yes	0.55%	90	Many FU discard rtes < de minimis
	NEP VII	yes	yes	10.15%	1953	
	Haddock Vib, rockall	no	no	3.4%	141t	new in 2017
	Haddock VIIa	no	no	33.1%	429t	tac top up applies to agreed TAC not ICES TAC
	Haddock VIIa and union Vb	no	no			proposal after EU / NOR
	Megrim VI	no	no	8.4%	440t	part of gadoid fishery
Plaice VI	no	no	0%		Statement stock , no discard info	
Pollock in VIIId and e	no	no	0.1%	5t	TAC area greater than LO area	
North Sea	Saithe	yes	no			proposal after EU / NOR
	NEP IV and II	yes	Yes	0.29%	38	Many FU discard rtes < de minimis
	Nep IIIa	yes	yes	0	0	de minimis exemption in place
	Sole IV	yes	yes			proposal after EU / NOR (held as possible swap)
	Sole IIIa	yes	no	3.20%	17t	de minimis not applied uncertainty in application
	Hake IIa and IV	no	no	0.00%	0	fleet (LL) under landing obligation have no discards.- no top up
	hake IIIa	no	no	0.00%	0	fleet (LL) under landing obligation have no discards.- no top up
	Haddock IIIa					proposal after EU / NOR
	Haddock IV and II					proposal after EU / NOR
	Plaice II and IV					proposal after EU / NOR
	Plaice IIIa Ska					proposal after EU / NOR
	Plaice IIIa Kat	no	no	22.20%	458	

ICES data	Anglerfish Vlllabde
ICES catch TAC	7914
ICES landings TAC	7914
Adjusted discards	79
Discard rate (all fleets)	1%
New Catch advice	7993

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	adjusted catch advice 2016	7993
		<i>de minimis</i>	0%
		Contr. to total catches	0%
		<i>de minimis</i> deduction (A)	0
Step 2	Deduct discards fleets <u>not</u> under LO	Total discards 2016	79
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	99.6%
		Discards by fleets not under LO to be deducted (B)	78.83
		Total deduction A+B	78.83
		New catch TAC	7914.3
		TAC top up % relative to ICES landings TAC	0.004%
		top up	0

ANF VIIIc IXa

ICES - no discards in assessment
STECF no discards identified
No de minimis requested
No top up can be calculated

ICES data	Haddock Via
ICES catch TAC	
ICES landings	
ICES discards	#VALUE!
Discard rate	#VALUE!

to be updated after NOR EU agreement

23%

STECF Data For TR1 and TR2

Step 1	Deduct de minimis	ICES catch advice 2016	1000
		de minimis	0%
		Contr. to total catches	0%
		de minimis deduction (A)	0
Step 2	Deduct discards fleets	Total discards 2016	
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	74.8%
		If no data under previous step consider ICES discard rate	0.0%
		Discards by fleets not under LO to be	#VALUE!
		Total deduction A+B	#VALUE!
		New catch TAC	#VALUE!
		TAC top up % relative to ICES landings TAC	#VALUE!
		TAC top up % if no deduction of de minimis	
		New catch TAC	#VALUE!
		TAC top up %	#VALUE!
		top up	#VALUE!

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LO applies where total landings of all species consist of more than 5% of haddock, whiting, cod and saithe.

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Comments
Fleet meeting threshold for inclusion
STECF identify TR1 75% included TR2 13% included.
Fleet contribution to discard under the LO TR1 contribute 19.7% of all discards TR2 contribute 80.3% of all discards
Excluded discards TR1: 75% of 19.7%=14.77% TR2: 13% of 80.3%= 10.439%
Total under LO =25.2% Continuing discards =74.8%

ICES data	Haddock VII
ICES catch TAC	1286
ICES landings TAC	682
ICES discards	604
Discard rate (all fleets)	47.0%

STECF TR1 and TR2

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES <u>catch</u> advice 2016	1286
		<i>de minimis</i>	0%
		Contr. to total catches	0%
		<i>de minimis</i> deduction (A)	0
Step 2	Deduct discards fleets <u>not</u> under LO	Total discards 2016	604
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	62.6%
		If no data under previous step consider ICES discard rate	.
		Discards by fleets not under LO to be deducted (B)	378
		Total deduction A+B	378
		New catch TAC	908
		TAC top up % relative to ICES landings TAC	33.1%
			top up

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LO applies where total landings of all species consist of more than 10% of haddock, whiting, cod and saithe.

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ICES data	Haddock Vib (Xii, XIV)
ICES catch TAC	4690
ICES landings TAC	4130
ICES discards	560
Discard rate (all fleets)	11.9%

Step 1	Deduct <i>de minimis</i> from ICES total catch figure
	ICES <u>catch</u> advice 2016 4690
	<i>de minimis</i> 0%
	Contr. to total catches 0%
	<i>de minimis</i> deduction (A) 0
Step 2	Deduct discards fleets <u>not</u> under LO
	Total discards 2016 560
	Contribution to discards by fleets <u>not</u> under LO (Landings under Lo/total landings) 74.8%
	if no data under previous step consider ICES discard rate 0.0%
	Discards by fleets not under LO to be deducted (B) 419
	Total deduction A+B 419
	New catch TAC 4271
	TAC top up % relative to ICES landings TAC 3.42%
	top up 141

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LO applies where total landings of all species consist of more than 5% of haddock, whiting, cod and saithe.

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ICES data	Hake IIIa
ICES catch TAC	3822
ICES landings TAC	3371
ICES discards	451
Discard rate (all fleets)	11.8%

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES <u>catch</u> advice 2016	3822	Comments
		<i>de minimis</i>	0%	
		Contr. to total catches	0%	No de minimis
		<i>de minimis</i> deduction (A)	0	
Step 2	Deduct discards fleets <u>not</u> under LO	Total discards 2016	451	Fleet meeting threshold for inclusion
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	100.0%	Longlines have 0% discard rate
		If no data under previous step consider ICES discard rate	0.0%	
		Discards by fleets not under LO to be deducted (B)	451	
		Total deduction A+B	451	Fleet proportions under the LO
		New catch TAC	3371	No fleet under LO contributing to discards
		TAC top up % relative to ICES landings TAC	0.0%	
		top up	0	

LO in North Sea applies to : LL only all catches. No contribution to discards, therefore no top up.

ICES data	Hake VI, VII
ICES catch TAC	69409
ICES landings TAC	62729
ICES discards	6680
Discard rate (all fleets)	9.6%

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES <u>catch</u> advice 2016	69409
		<i>de minimis</i>	0%
		Contr. to total catches	0%
		<i>de minimis</i> deduction (A)	0
Step 2	Deduct discards fleets not under LO	Total discards 2016	6680
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	93.36%
		If no data under previous step consider ICES discard rate	0.0%
		Discards by fleets not under LO to be deducted (B)	6236
		Total deduction A+B	6236
		New catch TAC	63173
		TAC top up % relative to ICES landings TAC	0.7%
		top up	444

Note taking vessel landings slightly better...

ICES data	Hake Villadbe
ICES catch TAC	46292
ICES landings TAC	41837
ICES discards	4455
Discard rate (all fleets)	9.6%

Deduct <i>de minimis</i> from ICES total catch figure	
ICES catch advice 2016	46292
<i>de minimis</i>	7%
Contr. to total catches	23%
<i>de minimis</i> deduction (A)	745

Deduct discards fleets <u>not</u> under LO	
Total discards 2016	4455
Contribution to discards by fleets <u>not</u> under LO	16.6%
Discards by fleets <u>not</u> under LO to be deducted (B)	740
Total deduction A+B	1485

New catch TAC	44807
TAC top up % relative to ICES landings TAC	7.1%
top up	2970

Comments
Contribution from Trawls = 23%,
Fleet meeting threshold for inclusion
All TR1 gear, (>100mm) Gillnets 100% LL 100%
Fleet contribution to discard under the LO
TR1 contribute 45.4% of all discards Gillnets contribute 40.6% longlines 0%
Excluded discards
TR1 contribute 45.4% of all discards Gillnets contribute 40.6% longlines 0%

ICES data	S Hake
ICES catch TAC 2016	8049
ICES landings TAC 2016	6838
ICES discards 2016	1211
Discard rate (all fleets)	15.05%

Comments

Step 1	Deduct de minimis from ICES total catch figure	ICES catch TAC 2015 <i>de minimis</i> Contr. to total catches <i>de minimis deduction (A)</i>	8049 7% 22.68% 128	36% of trawlers by number are included under the LO which contribute 63% to catch of hake =22.68% total contribution to overall catch
Step 2	Deduct discards fleets not under LO	Total discards 2016 Contribution to discards by fleets not under LO If no data under previous step consider ICES discard rate Discards by fleets not under LO to be deducted (B) Total deduction A+B	1211 63.57% 15.0% 770 898	Fleet meeting threshold for inclusion STECF identify by vessel number all bottom trawls 36% of vessel included All gill netters all longlines Fleet contribution to discard under the LO
		New catch TAC TAC top up % relative to ICES landings TAC	7151 4.58%	All bottom trawlers contribute 97.6% of discards Gillnetters contribute 1.3% longlines 0% discards Excluded discards
		Top up	313	bottom trawl (36% of 97.6% Gillnetters 1.3% LL zero Total under LO =36.43% Continuing discards =63.57%

ICES data	Megrim VI
ICES catch TAC	5948
ICES landings TAC	5242
ICES discards	706
Discard rate (all fleets)	11.9%

MEG IV and VI advice:
total catch 8567t, landings 4900t (65% to area VI.)
rockall componet (catch 397t, landings 342t)

Total catch advice	5947.55
Landings Advice	5242

STECF Data For TR1 and TR2

Step	Description	Value	Comments
Step 1	Deduct de minimis from ICES total catch figure	ICES catch advice 2016	5948
		de minimis	0%
		Cont. to total catches	0%
		de minimis deduction (A)	0
Step 2	Deduct discards fleets not under LO	Total discards 2016	706
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	37.6%
		If no data under previous step consider ICES discard rate	0.0%
		Discards by fleets not under LO to be deducted (B)	265
		Total deduction A+B	265
		New catch TAC	5682.2
		TAC top up % relative to ICES landings TAC	8.40%
		TAC top up % if no deduction of de minimis	
		New catch TAC	5682
		TAC top up %	8.4%
		top up	440

LO applies where total landings of all species consist of more than 5% of haddock, whiting, cod and saithe.

Nephrops in IV - N Sea	ICES advice		wanted catch		Discards	Rates	5% de minimis	top up	Non - zeros top up
	catch		landing						
Botney Gut	5	895	895		0	0.00%	53.7	-53.7	0
Farn Deepes	6	1143	1020		123	10.76%	68.58	54.42	54.42
Fladen	7	12699	12656		43	0.34%	761.94	-718.94	0
Firth Forth	8	2548	2190		358	14.05%	152.88	205.12	205.12
Moray Firth	9	1023	1018		5	0.49%	61.38	-56.38	0
Noup	10	40	38		2	5.00%	2.4	-0.4	0
Horn's Reef	33	1119	1119		0	0.00%	67.14	-67.14	0
Devil's Hole	34	492	459		33	6.71%	29.52	3.48	3.48
other rectangles	other	376	376		0	0	22.56	-22.56	0
Overall		20335	19771		564	0.027735		-656.1	263.02

de min rate	0.06		top up percentage	1.330%		TAC	20034.0
de min amount			top up amount	263.02			

Nep VI	Total Catch at current discard rate	Landings at current discard rate	Discard	Discard rate	7% de minimis	top up	Non Zero top up
outside	326	326	0	0	22.82	-22.82	0
11	3814	3610	204	5.35%	266.98	-62.98	0
12	6419	6195	223	3.47%	449.33	-216.33	0
13	5755	5276	479	8.32%	402.85	76.15	76.15
13	992	909	83	8.37%	69.44	13.56	13.56
Totals	17306	16317	989	5.7%	1211.42	-222.42	89.71

de min rate	0.07		top up percentage	0.550%		TAC	16406.21
de min amount		remaining	16094.58	top up amount	89.71		

Nep VII	Total Catch at current discard rate	Landings at current discard rate	Discard	Discard rate	7% de minimis	top up	Non Zero top up
14	995	941	54	5.4%	69.65	-15.65	0
15	11248	9376	1872	14.9%	787.36	1084.64	1084.64
16	3100	3100	0	0.0%	217	-217	0
17	489	456	33	6.7%	34.23	-1.23	0
18	235	235	0	0.0%	16.45	-16.45	0
19	838	599	239	28.5%	58.66	180.34	180.34
20-21	2063	1807	256	12.4%	144.41	111.59	111.59
22	3552	2727	825	23.2%	248.64	576.36	576.36
Totals	22520	19241.00	3279	14.6%	1576.4	1702.6	1952.93

de min rate	0.07		top up percentage	10.1498%		TAC	21195.98
de min amount	1458.31	remaining	20943.6	top up amount	1952.93		

Nep IIIa	Total Catch at current discard rate	Landings at current discard rate	Discard	Discard rate	0% de minimis	top up	Non Zero top up
Nep IIIa	13098	12715	383	2.9%			

de min rate	0.06		top up percentage	0.00%		TAC	12715
de min amount	#VALUE!		top up amount	0			

De Minimis applied
 Survival exemption (80mm trawls with 35mm grid, top panel 270mmdiamond/ 140 smp.
 MCRS total length 105mm, cp length 59mm)

Nep VIIIc

Stock under survivability exemption.

No tac top up possible

NEP VIIIadbe

No tac top up

The TAC should correspond to ICES landings advice of 3214t because of survivability exemption.

Nephrops in Area IX

Stock under survivability exemption.

No tac top up possible

Plaice VIII,IX

Not possible to calculate the TAC adjustment
because discards are unknown.

No discard rate from STECF

No top up possible

ICES data	Plaice VI
ICES catch TAC	no advice
ICES landings TAC	
ICES discards	
Discard rate (all fleets)	

Statement Stock

No increase

ICES data	Plaice III Kat
ICES catch TAC	3058
ICES landings TAC	2065
ICES discards	993
Discard rate (all fleets)	32.5%

amended 23/11

Total catch 8333
Landings 6199
Allocation to IIIa
Total Catch 3058, landings 2065

STECF

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES catch advice 2016	3058	Comments
		<i>de minimis</i>	0%	
		Contr. to total catches	0%	
		<i>de minimis</i> deduction (A)	0	
Step 2	Deduct discards fleets <u>not</u> under LO	Total discards 2016	993	Fleet meeting threshold for inclusion
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	72.0%	All TR1 fleet no discards from TBB
		If no data under previous step consider ICES discard rate	0.0%	
		Discards by fleets not under LO to be deducted (B)	715	Fleet contribution to discard under the LO
		Total deduction A+B	715	TR1 contribution to discards 28%, no applicable discards from Beam
		New catch TAC	2343	Trawls
		TAC top up % relative to ICES landings TAC	13.5%	Excluded discards
		TAC top up % if no deduction of <i>de minimis</i>		TR1: 28%
		New catch TAC	2343	Total under LO =28%
		TAC top up %	13.5%	Continuing discards =72%
		top up	278	

LO applies to : catches of plaice by Beam trawl (>120mm)
Trawls greater than 100mm (TR1)

NO Deminimis exemptions

ICES data	Pollock
ICES catch TAC	5225
ICES landings TAC	5215
ICES discards	10
Discard rate (all fleets)	0.2%

Commerical catch in 2014- 5255t,
discards 10t.....
STECF id 1% discard rate, for entire VII TAC

STECF Data For TR1 and TR2

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES catch advice 2016	5225	Comments
		<i>de minimis</i>	0%	
		Contr. to total catches	0%	
		<i>de minimis</i> deduction (A)	0	
Step 2	Deduct discards fleets not under LO	Total discards 2016	10	Fleet meeting threshold for inclusion
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	51.1%	All gill nets included
		If no data under previous step consider ICES discard rate	0.0%	Fleet contribution to discard under the LO
		Discards by fleets not under LO to be deducted (B)	5	gillnets contribute 48.9% to discards
		Total deduction A+B	5	Excluded discards
		New catch TAC	5219.9	Total under LO =48.9%
		TAC top up % relative to ICES landings TAC	0.09%	Continuing discards =51.1%
		TAC top up % if no deduction of <i>de minimis</i>		
		New catch TAC	5220	
		TAC top up %	0.1%	
		top up	5	

ICES data	Sole VIID
ICES catch TAC	2487
ICES landings TAC	2257
ICES discards	230
Discard rate (all fleets)	9.2%

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES <u>catch</u> advice 2016	2487	Comments
		<i>de minimis (for some gears)</i>	3%	
	Beam Trawl	<i>Contribution</i>	43%	trammel contribute to catch 42.9%
	Gill; net	<i>Contribution</i>	3%	TBB contribute to catch 34.4%
		<i>Contribution</i>	34%	
		<i>Contr. to total catches</i>	2.32%	
		<i>de minimis</i> deduction (A)	57.7	STECF identify discard contribution
Step 2	Deduct discards fleets <u>not</u> under LO	Total discards 2016	230	Beam Trawl 37.1%; Demersal Trawls 53% (TR2) ;Gillnets 7.9%; Total 98%
		Contribution to discards by fleets <u>not</u> under LO (Landings under Lo/total landings)	32.2%	TR2 (and TR3) contribute 43% (53% * 43%= 22.79%) Beam Trawl 100% (37.1%) Gillnets 100% (7.9%)
		If no data under previous step consider ICES discard rate	0.0%	included in LO 67.79%, exclude (discards continue) 32.2%
		Discards by fleets not under LO to be deducted (B)	74.1	
		Total deduction A+B	132	
		New catch TAC	2355	
		TAC top up % relative to ICES landings TAC	4.35%	
		TAC top up % if no deduction of <i>de minimis</i>		
		New catch TAC		
		TAC top up %		

Sole VIIe

ICES data	Sole VIIe
ICES catch TAC	1198
ICES landings TAC	1178
ICES discards	20
STECF discards	
Discard rate (all fleets)	1.7%
New Catch	

STECF data	BT2	GN1	Total
discard rate	1%	0%	
catches	52%	9%	
contr. discard	5%	0%	5%
contr. discard not LO			95%
Discards (t)			
	BT2		6.23
	GN1		0.00
	BT2 + GN1		6.23
	Total discards		125
	discards not under LO		118.36

Step	Description	Value	Notes
Step 1	Deduct de minimis from ICES total catch figure	ICES catch advice 2016	1178
	<i>de minimis</i>		3%
	Contr. to total catches		7%
	de minimis deduction		2.62
	<i>de minimis</i>		3%
Step 2	Deduct discards fleets not under LO	Total discards 2016	20.00
		Contribution to discards by fleets not under LO	96.8%
		If no data under previous step consider ICES discard rate	1.7%
		Discards by fleets not under LO to be deducted (B)	19.36
		Total deduction A+B	22.00
	New catch TAC	1156	
	TAC top up % relative to ICES landings TAC	-1.9%	

de minimis applies to gillnets only in VIIe, f, g contribute 7.4% to overall catch

De minimis applies for beam trawls in VIIe, f and g (gear >80mm) with more than 5% catch (64% by number) = rate 51.6% * 64% = 33%

beam trawls contribute 4.9% for on basis of no of vessels 64% beam trawl included (3.1%) 100% gill nets included (0%) therefore excluded 96.8%

de minimis and discarding greater than ICES advice: no top up



ICES data	Sole VII,f,g
ICES catch TAC	806
ICES landings TAC	782
ICES discards	24
Discard rate (all fleets)	3.0%

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES <u>catch</u> advice 2016	806	
		<i>de minimis</i> (for some gears)	3%	De minimis applies for beam trawls in VIIe,f and g (gear >80mm) with more than 5% contribution de minimis applies to gillnets only in VIIe,f,g @ 4% contribution
	Beam Trawl	Contribution	19%	
	Gill; net	Contribution	4%	
		Contr. to total catches	0.68%	
	<i>de minimis</i> deduction (A)	5		
CAP			5.5	It is not possible to link gears with area using STECF information.
Step 2	Deduct discards fleets not under LO	Total discards 2016	24	
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	87.8%	All trammel nets included (0% discard) 61% of beam trawls (for 7bcf-k) under LO with 20% discard contribution (=12.2%)
		If no data under previous step consider ICES discard rate	0.0%	
		Discards by fleets not under LO to be deducted (B)	21	
		Total deduction A+B	27	
	New catch TAC	779	-0.3%	if de minimis applied at 2%
	TAC top up % relative to ICES landings TAC			
		TAC top up % if no deduction of de minimis		No de minimis applied (DR < De minimis)
		New catch TAC	785	
		TAC top up %	0.4%	

Continuing discards and de minimis higher than current advice;
do not include deminis

ICES data	Sole III a
ICES catch TAC	555
ICES landings TAC	534
ICES discards	21
Discard rate (all fleets)	3.8%

STECF

Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES <u>catch</u> advice 2016	555	Comments
	<i>de minimis</i>		2%	contribution to catch: IIIa 70-99mm trawls ;41.7% (if they all have grids)
	Contr. to total catches		42%	
	<i>de minimis</i> deduction		4.629	
	<i>de minimis</i>		3%	STECF id 16.5% contribution by all GN in IIIa,381
	Contr. to total catches		17%	
	<i>de minimis</i> deduction		77	
	Total de minimis		82	
Step 2	Deduct discards fleets <u>not</u> under LO	Total discards 2016	21	
	Contribution to discards by fleets <u>not</u> under LO (Landings under LO/total landings)		17.4%	STECF ID Contribution to discards for TR2 and TR1 ,14.3% and 08.2%. Gill net 3.1%. (Last year MS identified 1% contribution to discards for GN)
	If no data under previous step consider ICES discard rate		0.0%	Beam Trawls no data Therefore 17.4% of discards remain outside LO
	Discards by fleets not under LO to be deducted (B)		4	
	Total deduction A+B		81	
	New catch TAC		474	
	TAC top up % relative to ICES landings TAC		-11.2%	
	TAC top up % if no deduction of <i>de minimis</i>			Uncertainty in application of <i>de minimis</i> , <i>de minimis</i> not applied in calculation
	New catch TAC		551	
	TAC top up %		3.2%	
	TOP up (t)		17	

Landing obligation applies to SOLE in
IV and II with trawls 80-99mm,
Area IIIa with trawls 70-99mm
All areas Beam Trawls 80-119mm
all gill nets

De minimis applies to In IIIa for sole and haddock combined up to 2% of total catch of Norway Lobster, common sole and haddock with trawls OTB, TBN >=70mm mesh with grid.

Also to 3% (in IIIa) of total catch by Gillnets

ICES data	Sole VIIBC
ICES catch TAC	30
ICES landings TAC	?
ICES discards	?
STECF discards	?
Discard rate (all fleets)	2.1%
Current TAC 42t	



ICES data	Sole HJK
ICES catch TAC	223
ICES landings TAC	?
ICES discards	Negligible
STECF discards	15.21
Discard rate (all fleets)	6.8%
New total catch	238.21

STECF data	BT2	GN1	Total
discard rate	2%	0%	
catches	68%	4%	
contr. discard	20%	0%	20%
contr. discard not LO			80%

Discards (t)	BT2	GN1	Total
			3.04
			0.00
			3.04
			15.21
			12.17

Step 1	Deduct de minimis from ICES total catch figure	ICES catch advice 2016	238	
	<i>de minimis</i>		3%	
	Contr. to total catches		18.7%	
	de minimis deduction (A)		1.33	(contribute to catch 30.6%) for 61% of vessels =-18.66%
Step 2	Deduct discards fleets not under LO	Total discards 2016	15.21	
	Contribution to discards by fleets not under LO		87.8%	All trammel nets included (0% discard rate) 61% of beam trawls included (for 7bcf-k) with 20% discard contribution (=-12.2%) therefore 87.8% discards continue.
	If no data under previous step consider ICES discard rate		6.8%	
	Discards by fleets not under LO to be deducted (B)		13.35	
	Total deduction A+B		14.69	
	New catch TAC		224	
	TAC top up % relative to ICES landings TAC		-	

[REDACTED]

[REDACTED]

Sole VI

ICES data	
ICES catch TAC	57
ICES landings TAC	57
ICES discards	0
Discard rate (all fleets)	0.0%

STATEMENT STOCK
No Increase!!

STECF Data For TR1 and TR2

Part of the gaddoid fishery

Step	Description	Value	Percentage	Comments	
Step 1	Deduct <i>de minimis</i> from ICES total catch figure	ICES catch advice 2016	57		
		<i>de minimis</i>	0%		
		Contr. to total catches	0%		
		<i>de minimis</i> deduction (A)	0		
Step 2	Deduct discards fleets not under LO	Total discards 2016	0	Same STECF / MS input as Had Via Last year based on fleet no. STECF TR1 75% included TR2 13% included.	
		Contribution to discards by fleets not under LO (Landings under Lo/total landings)	23.1%		
		If no data under previous step consider ICES discard rate	0.0%		
		Discards by fleets not under LO to be deducted (B)	0		
		Total deduction A+B	0		
		New catch TAC	57.0		
		TAC top up % relative to ICES landings TAC	0.00%		
		TAC top up % if no deduction of <i>de minimis</i>			
		New catch TAC	57		
		TAC top up %	0.0%		
			top up		0

89% of landing in TR1 to be included (11% excluded)
 79% of landings in TR2 to be included (21% excluded)
 TR1: 75% of 89% = 66.7%
 TR2: 13% of 79% = 10.2%
 Total under LO = 76.3% (outside = 23.1%)

LO applies where total landings of all species consist of more than 5% of haddock, whiting, cod and saithe.

Sole VIIIcde

Ceiling stock - same TAC = 1072t. No change in the perception of the stock.

Discards are unknown and considered to be negligible meaning no TAC adjustment.

No top up possible

Basis for calculations		Sole Villabde (Bay of Biscay)	
ICES catch (MSY)	3107		Stock under plan, no top up applied
ICES landings TAC	3107		
ICES discards	?		
STECF discards	128		
Discard rate (all fleets)	4.1%		
New catch advice	3235		

STECF data	OTB	BEAM	GN	Total	Discards (t)
discard rate	9.0%		4.0%	2.0%	OTB 78
catches	28.0%		8.0%	64.0%	BEAM 10
contr. discard	54.1%		8.5%	37.4%	GN 40
contr. discard not LO				0.0%	Sum 128
					Total discards 128
					not under LO 0

		COM method	Comments	
Step 1	Deduct de minimis from ICES total catch figure	ICES catch advice 2016	3235	
		<i>de minimis</i> for trawlers	5%	
		Contrib. to catches by trawlers	36%	trawl 28% + beam 8%
		<i>de minimis</i> for netters	3%	
		Contrib. to catches by netters	64%	
				Gill net contribution to catch
		combined de minimis de minimis reduction (A)	3.72%	
		New catch TAC	120.34	
		No top up as no ICES landings figure	3115	
No step 2 as all fleets under LO (and discards negligible)	Deduct discards Total discards 2016		128	
		Contribution to discards by fleets not under LO	0.1%	99.9% under landing obligation (54.1 Trawl, 8.5% beam, 37.4% gillnets)
		If no data under previous step consider ICES discard rate		
		Discards by fleets not under LO to be deducted	0.128	
		Total deduction A+B	120.5	

New landings TAC	3114.5	compared to ICES landing advice
top up (compared to advice)	0.2%	
	7.5t difference	

ICES data	Whiting VIIb-k
ICES catch TAC	25125
ICES landings TAC	19825
ICES discards	5300
fleets)	21.1%

VIIId to be added

Step 1	Deduct <i>de minimis</i>	ICES catch advice 2016	25125	Comments
		<i>de minimis</i>	7%	
		Contr. to total catches	30.4%	STECF identify contribution to total contribution to catch of TR1 54.4% for 40% of vessels TR2 39.2% for 22% of vessels =0.2176 + 0.08624==30.38%
		<i>de minimis</i> deduction (A)	534	
Step 2	Deduct discards	Total discards 2016	5300	
		Contribution to discards by fleets not under LO (Landings under LO/total landings)	71.0%	STECF identify contributions by vessel number of TR1 48.9% (@ 40% DR=19.5%) TR2 43% (@22% DR =9.46%) TR3 0% (still zero) total 28.9% under LO
		If no data under previous step consider ICES discard rate	0.0%	
		Discards by fleets not under LO to be deducted (B)	3763	
		Total deduction A+B	4297	
		New catch TAC	20828	
		TAC top up % relative to ICES landings	5.06%	

De minimis is for whiting up to 7% for vessels less than 100mm bottom trawl in VIIb,c,d,e,f,g,h,j,k

DE mInimis for whiting up to 7% for vessels over 100mm bottom trawl in VIIb-j

LO applies to Trawls and seines in VIIId with >20% cod, haddock, whiting and saithe.

		Pending figures from EU / NOR	
ICES data	Whiting VIIId		
ICES catch TAC			VIIb,e-k to be added
ICES landings TAC			
ICES discards	#VALUE!		
fleets)	40.0%	Estimated discard rate from STECF advice	

		Catch		
Step 1	Deduct de minimis	ICES <u>catch</u> advice 2016		
		<i>de minimis</i>	7%	
		Contr. to total catches	14%	
		de minimis deduction (A)	#VALUE!	TR1-3 contribute 93.9% to total catch for 15% of vessels ==14.085%
Step 2	Deduct discards	Total discards 2016	#VALUE!	
		Contribution to discards by fleets not under LO (Landings	85.9%	STECF identify discard contributions of TR1 0.2% TR2 93.3% TR3 0.2% demersal seine 0% total 93.6% 15% by number of vessels included under LO therefore under LO 14.04%, or 85.9% excluded
		If no data under previous step consider ICES discard rate	0.0%	
		Discards by fleets not under	#VALUE!	
		Total deduction A+B	#VALUE!	
		New catch TAC	#VALUE!	
		TAC top up % relative to ICES	#VALUE!	
		TAC top up % if no deduction		
		New catch TAC	#VALUE!	
		TAC top up %	#VALUE!	
top up	#VALUE!			

De minimis is for whiting up to 7% for vessels less than 100mm bottom trawl in VIIb,c,d,e,f,g,h,j,k

DE mInimis for whiting up to 7% for vessels over 100mm bottom trawl in VIIb-j

LO applies to Trawls and seines in VIIId with >20% cod, haddock, whiting and saithe.