

International Commission for



the Northwest Atlantic Fisheries

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(A.a.4)

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EIGHTH SPECIAL COMMISSION MEETING - JANUARY 1976

Information from Contracting Governments on national allocation of fishing effort
to be applied for groundfish in Subareas 2, 3, and 4 in 1976

by

ICNAF Secretariat

1. Paragraph 2 of Proposal (1) for International Regulation of Fishing Effort for Groundfish in Subareas 2, 3, and 4 of the Convention Area, adopted at the Seventh Special Commission Meeting, Montreal, September 1975, requires

"That Contracting Governments, by 30 November 1975, shall submit to the Executive Secretary a list of the number of fishing days to apply in 1976 for each tonnage, gear and area category, in accordance with the requirements stated in paragraph 1 above. Such information shall include:

- (a) The single base period which each Contracting Government intends to use in applying the regulation of fishing effort for groundfish by all vessels under its flag;
- (b) Proposed amendments, if any, a Contracting Government wishes to make in the statistical data as reported to the Commission for the years 1972 and 1973 upon which the regulation of fishing effort for groundfish is to be applied and an explanation for any such adjustments;
- (c) A description of any redistribution of fishing effort for groundfish among the various vessel tonnage, gear and area categories for 1976 that a Contracting Government wishes to make for vessels fishing under its flag."

2. Pursuant to this requirement (see page 21 of ICNAF Circular Letter 75/60 dated 10 November 1975), the following Contracting Governments have supplied data which will be reviewed at the Eighth Special Commission Meeting, Rome, January 1976:

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BULGARIA

(Telex received 28 November 1975 from BULRIB Nedev)

In accordance with Proposal (1), September 1975, paragraph 2, Bulgaria states needs for:

80 fishing days	Subarea 2 + Div. 3K
80 days	Div. 3LNO
220 days	Div. 4VWX

Trawlers over 2,000
Gear OT and MWT

Letter explaining our position follows.

DENMARK (FAROES)

(Telex received 28 November 1975 from Faroese Local Government)

Referring to the proposal for international regulation of fishing effort for groundfish in ICNAF Subareas 2, 3, and 4 adopted in Montreal on September 28, 1975, the required list of number of fishing days to apply 1976 is hereby forwarded.

As base period has been used 1973.

The statistical data underlying have been communicated to the Commission as a correction to Comm.Doc. 75/IX/42, sent by September 15, 1975. No redistribution of effort among tonnage and gear has been done, but only between areas, according to the following table:

Denmark (F)		<u>2+3K</u>	<u>3LNO</u>	<u>3M</u>	<u>3P</u>	<u>4VWX</u>	<u>Total</u>
150-499.9	OT						
	LL	540	0	1500	85	140	2265
500-999.9	OT	300	76	100	75	125	676
	MWT				17	33	50

DENMARK (GREENLAND)

(Telex received 3 December 1975 from Danish Ministry of Fisheries)

At its Seventh Special Commission Meeting, September 1975, ICNAF adopted a proposal for international regulation of fishing effort for groundfish in Subareas 2, 3, and 4 of the Convention Area (Proceedings No. 4, App. I (Draft page 21).

According to par. 2 of the proposal, Contracting Governments shall, by 30 November 1975, submit to the Executive Secretary various statistical information.

In accordance with this paragraph, the following information is given regarding Denmark (Greenland).

Par. 2(a). Base period chosen is 1973.

Par. 2(b). The following amendments to information given in Comm.Doc. 75/IX/42 apply for the 1973 statistics on days fished for Denmark (G).

<u>Vessel Category</u>	<u>SA 2 + 3K</u>	<u>3LNO</u>
150-499	18	8
500-999	56	13

The information contained in Comm.Doc. 75/IX/42 was based upon number of hours fished as reported in Stat. Bull. 73. Denmark (G) had not submitted days fished since the submission of hours fished was regarded as a higher priority. In Comm.Doc. 75/IX/42 Canada assumed a conversion factor of 15 hours per fishing day. The figures given above are the actual number of days fished as contained in vessels' logbooks. They differ somewhat from those in Comm.Doc. 75/IX/42, although the sum (95) is nearly the same as in the document (94).

Par. 2(c). For 1976 Denmark (G) wishes to transfer effort from the 150-499 tonnage class to the 500-999 tonnage class. According to par. 1(c), conversion factors should be based on statistics for Subareas 2, 3, and 4 for the last three years for which such data are available. However, for these Subareas, the year 1973

is the only one in which both vessel categories have been fishing. The figures are as follows:

<u>Div.</u>	<u>Tons</u>	<u>Days fished</u>	<u>Tons/Days fished</u>	<u>Tons</u>	<u>Days Fished</u>	<u>Tons/Days fished</u>
2J	27	6	4.50	48	5	9.60
3K	149	12	12.42	1278	52	24.58
3L	104	8	13.00	196	13	15.08
<hr/>						
Total	280	26	10.77	1522	70	21.74

Conversion (150-499) to (500-999) = 0.50.

Accordingly, the following number of fishing days for the 500-999 tonnage group applies for Denmark (G) for 1973:

SA 2 + 3K	65
3LNO	17

FEDERAL REPUBLIC OF GERMANY

(Telex received 27 November 1975 from Dr Booss, Bundesernaehrungsministerium)

Reference: Proposal 1, Montreal Meeting, information of the Government of the Federal Republic of Germany on paragraph 2.

- a) As single base period, the year 1973 is chosen.
- b) Amendments concerning the statistical data are not necessary.
- c) According to the preliminary allocation, the Federal Republic of Germany has the following share:

In SA 2 + 3K	839 fishing days
In 3LNO	81 " "
In 3M	38 " "
In 4VWX	5 " "
<hr/>	
Total	963 fishing days

For the categories above, 2000 GT.

Of these will be taken over unchanged and transferred in the tonnage category 1000-1999.9 GT	863 fishing days
	100 " "
	<hr/>
	963 fishing days

To that

863 fishing days - above 2000 GT
132 fishing days (100:0.76) - 1000 - 1999.9 GT

will be available for a redistribution as follows:

	<u>Subarea 2</u> <u>+ Div. 3K</u>		<u>Div.</u> <u>3LNO</u>		<u>Div.</u> <u>3M</u>		<u>Total</u>
Above 2000 GT	802	+	44	+	17	=	863
1000-1999.9 GT	123	+	6	+	3	=	132
	<hr/>						
	925	+	50	+	20	=	995

GERMAN DEMOCRATIC REPUBLIC

(Telex received 28 November 1975 from Mr Hartung)

Re: GDR proposal for regulation of fishing effort for groundfish in Subareas 2, 3, and 4 of the ICNAF Area

1. In 1976 the GDR will reduce its fishing effort by 50 percent, based on the number of fishing days reported in 1972.
2. The calculations have been made on the base of the statistical data as reported to the Commission.
3. Further, we want to inform you that the GDR made use of a description of any redistribution of the fishing effort for groundfish among the various vessel tonnage, gear, and area categories as follows:

One day fished in tonnage category 500-999.9 GT has been converted to days fished in tonnage category 2000 GT, using a conversion factor of 0.91.

4. Redistribution of fishing effort among the various vessel tonnage, gear, and area categories for 1976:

<u>Vessel tonnage</u>	<u>Gear</u>	<u>Fishing effort (days fishing) SA 2 + 3K</u>	<u>For 1976 3LNO</u>
500-999.9	OT	682	38
2000	OT	234	30
<hr/>			
Total	OT	916	68

5. We want to inform you that, to realize the number of 964 fishing days in 1976, our fleet has to stay about 25 percent days more in the mentioned Subareas. This is necessitated by the fact of deficiency of fishing operations resulted from bad weather conditions, obstructions by ice, entering a harbour, changing the fishing grounds, and damage repairs. On such days there will be not any fishing operation.
6. A statistical analysis of the average ratio hours fished per day has shown that the GDR fleet has an average ratio of 10.9. Therefore, we propose to introduce a new definition of a "fishing day", i.e., a fishing day shall be a period of more than 5 hours fished per day.
7. Since the year 1967 the GDR fishing fleet has been conducting fishery for roundnose grenadier in the ICNAF Subareas 2 and 3. Following own and Soviet investigations the roundnose grenadier stock in the whole Labrador area is in a good condition. The difference between the cod fishery and the fishery for roundnose grenadier is marked by the following characteristics:
 - in the cod fishery during the first quarter of the year, only small quantities of roundnose grenadier are taken as by-catch;
 - the third quarter of the year is considered to be the best harvesting time for roundnose grenadier;
 - topographically and as to the depth of fishing, the fishing for roundnose grenadier has to be separated from the cod fishery.

On the basis of these peculiarities, the GDR supports the opinion not to include the roundnose grenadier fishery into the reduction of fishing effort. As to this problem further material will be prepared for the January Meeting in Rome.

ITALY

(Telex received 29 November 1975 from Mr DeLeon, Italian Ministry Merchant Marine)

Re: Regulation fishing effort for groundfish Subareas 2, 3, and 4, adopted 28 September 1975

Italy envisages use in above areas during 1976 new vessel presently under construction, expected to be ready March. Such vessel which name will follow is 4,000 tons, stern trawler, and will be used approximately 250 days to catch cod, silver hake, and *Illex*.

JAPAN

(Telephone call received 18 December 1975 from Mr Iino, Japanese Embassy, Ottawa)

The base year chosen is 1973.

The following table amends information given in Comm.Doc. 75/IX/49 (2nd Revision) for Japan:

Vessel category	<u>2 + 3K</u>	<u>3LNO</u>	<u>3M</u>	<u>3P</u>	<u>4VWX</u>
1000-1999.9	-	1	-	1	9
> 2000	-	78	-	31	179

NORWAY

(Letter received 15 December 1975 from Mr Rasmussen, Fiskeridirektøren)

Referring to paragraph 2 of the proposal for International Regulation of Fishing Effort for Groundfish in Subareas 2, 3, and 4 of the Convention Area, adopted by the International Commission for the Northwest Atlantic Fisheries in Plenary Session on 28 September 1975, I send you enclosed a list of the number of fishing days for Norway to apply in 1976 for each tonnage, gear, and area category.

To the list I add the following information and comments:

1. Amendments to the statistical data as reported to the Commission for the years 1972 and 1973 (and 1974)

1972. In Statistical Bulletin, Vol. 22, Table 6, page 20, the following number of days fished should be inserted for longliners (LLS):

Tonnage group 5, Subarea 2: 55 days.
Tonnage group 4, Subarea 2: 142 days; Subarea 3: 906 days.

The figures are calculated on the basis of the catches in 1972, and the skippers estimates according to inquiries made in 1975 of the catch rates in Subareas 2 and 3 in 1972 as compared with 1973 (regular reporting of the number of days fished by longliners started in 1973).

1973. In Statistical Bulletin, Vol. 23, Table 6, page 229, the following number of days fished should be inserted for longliners (LLS):

Tonnage group 5, Subarea 2: 99 days.
Tonnage group 4, Subarea 2: 46 days.

The number of days fished in these tonnage categories in Subarea 2 was not reported on the STATLANT forms for the year 1973 because the information in the logbooks was somewhat incomplete. The figures given above are calculated on the basis of the catches in 1973 and supplementary information provided by the skippers.

1974. As reported to you by telex, there are some errors in the STATLANT 21B forms transmitted to the Secretariat earlier this year. A new set of forms will be airmailed as soon as the postal strike in Canada is ended. The figures relevant to the effort regulation are as follows:

<u>Longliners tonnage group 4</u>	<u>Catch of groundfish (tons)</u>	<u>Number of days fished</u>
Subarea 2	673	70
Subarea 3	3238	586
Subarea 4	1281	253
<u>Trawlers tonnage group 4</u>		
Subarea 2	107	17
Subareas 3 and 4	No participation	

Norwegian vessels from other gear/tonnage categories did not participate in the groundfish fisheries in Subareas 2, 3, and 4 in 1974.

2. Choice of base period

Norway intends to use the year 1973 in applying the fishing effort regulation scheme. The base data are:

Vessel tonnage	Number of days fished					Total
	SA2+3K	3LNO	3M	3P	4VWX	
150- 499.9 OT	89	-	-	-	-	89
150- 499.9 LL	252	33	93	243	112	733
500- 999.9 OT	133	-	-	-	-	133
500- 999.9 LL	99	-	-	-	-	99
1000-1999.9 OT	73	-	-	-	-	73
Total	646	33	93	243	112	1127

According to paragraph 1(b) of the proposal, the number of days fished by the longliners shall not be reduced. Nor should the trawlers be required to reduce the number of days fished, if the number of days fished in the base period do not exceed 300 in any area/tonnage category (proposal paragraph 1(c)). Thus, as regards fishing effort, Norwegian vessels will only be limited by the effort figures given in the table above.

3. Redistribution of fishing effort

Norway intends to take advantage of the permission to transfer effort between tonnage, gear, and area categories (proposal paragraph 1(e)). Using the catch rates of the longliners in tonnage group 4 as a basis for comparison, the following relative catch rates or conversion factors have been calculated:

150- 499.9 LL	1.0
150- 499.9 OT	1.6
500- 999.9 LL	1.2
500- 999.9 OT	3.3
1000-1999.9 OT	4.4

These conversion factors are calculated in the enclosed Appendix.

Applying these conversion factors, the following transfers of days fished have been made in the base data:

150-499.9 OT: All the 89 days fished have been transferred to the vessel category 150-499.9 LL (89 · 1.6 = 142.4 fishing days).

500-999.9 OT: 71 out of 133 days fished have been transferred to the vessel category 150-499.9 LL (71 · 3.3 = 234.3 fishing days).

500-999.9 LL: All the 99 days fished are transferred to the vessel category 150-499.9 LL (99 · 1.2 = 118.8 fishing days).

1000-1999.9 OT: 11 out of 73 days fished have been transferred to the vessel category 150-499.9 LL (11 · 4.4 = 48.4 fishing days).

150-499.9 LL: Transfers from other vessel categories - 142.4 + 234.3 + 118.8 + 48.4 = 543.9 or 544 fishing days.

After the transfers, the following numbers of days fished appear:

Vessel categories 150-499.9 OT and 500-999.9 LL: nil days fishing.

Vessel category 150-499.9 LL: 733 + 544 = 1277 days fishing.

These days are for the year 1976 distributed by area as follows:

SA 2+3K	300 days
3LNO	135 "
3M	288 "
3P	304 "
4VWX	250 "

Total 1277 days

Vessel category 500-999.9 OT: 133 - 71 = 62 days fishing.

Distribution by area for 1976:

SA2+3K	58 days
3LNO	4 "

Total	62 days
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Vessel category 1000-1999.9 OT: 73 - 11 = 62 days fishing.

Distribution by area for 1976:

SA2+3K	58 days
3LNO	4 "

Total	62 days
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The above-mentioned numbers of days fishing, forming the fishing effort allocation for Norway for the year 1976, have been summarized in the following table.

Norway. Allocation of fishing effort (days fishing) for 1976.

Vessel tonnage	Gear	Area					Total
		SA2+3K	3LNO	3M	3P	4VWX	
150-499.9	LL	300	135	288	304	250	1277
500-999.9	OT	130	14	-	-	-	144

NORWAY (APPENDIX)

Norway. Calculation of relative catch rates (conversion factors).

The calculations have been based upon the catch and effort figures for all of Subareas 2, 3, and 4 for the last three years for which such data are available in each gear/tonnage group.

<u>Longliners, 150-499.9 GRT</u>		<u>Catch of groundfish (tons)</u>	<u>Days fished</u>
1972	SA 2	1077	142
	SA 3	6280	906
	SA 4	-	-
1973	SA 2	350	46
	SA 3	3595	575
	SA 4	684	112
1974	SA 2	673	70
	SA 3	3238	586
	SA 4	1281	253
Total		17178	2690

Average catch per day fished 17178/2690 = 6.4 tons.

<u>Trawlers, 150-499.9 GRT</u>		<u>Catch of groundfish (tons)</u>	<u>Days fished</u>
1972	SA 2	469	24
	SA 3	194	16
	SA 4	-	-
1973	SA 2	492	72
	SA 3	249	17
	SA 4	-	-
1974	SA 2	107	17
	SA 3	-	-
	SA 4	-	-
Total		1511	146

Average catch per day fished 1511/146 = 10.3 tons.

<u>Longliners, 500-999.9 GRT</u>		<u>Catch of groundfish (tons)</u>	<u>Days fished</u>
1972	SA 2	420	55
	SA 3	-	-
	SA 4	-	-
1973	SA 2	755	99
	SA 3	-	-
	SA 4	-	-
1974	No participation	-	-
Total		1175	154

No reporting of days fished prior to the year 1972.
Average catch per day fished 1175/154 = 7.6 tons.

<u>Trawlers, 500-999.9 GRT</u>		<u>Catch of groundfish (tons)</u>	<u>Days fished</u>
1971	SA 2	1446	67
	SA 3	544	17
	SA 4	-	-
1972	SA 2	627	24
	SA 3	228	13
	SA 4	-	-
1973	SA 2	119	16
	SA 3	2356	117
	SA 4	-	-
Total		5320	254

No participation in 1974.
Average catch per day fished 5320/254 = 20.9 tons.

<u>Trawlers, 1000-1999.9 GRT</u>		<u>Catch of groundfish (tons)</u>	<u>Days fished</u>
1970	SA 2	2973	66
	SA 3	1172	34
	SA 4	-	-
1971	SA 2	4110	192
	SA 3	1643	54
	SA 4	-	-
1973	SA 2	85	7
	SA 3	1777	66
	SA 4	-	-
Total		11760	419

No participation in the years 1972 and 1974.
Average catch per day fished 11760/419 = 28.1 tons.

These calculated average catch rates give the following relative figures or conversion factors (catch rate 150-499.9 LL = 1.0).

	<u>Catch per day fished (tons)</u>	<u>Relative catch rate</u>
150- 499.9 LL	6.4	1.0
150- 499.9 OT	10.3	1.6
500- 999.9 LL	7.6	1.2
500- 999.9 OT	20.9	3.3
1000-1999.9 OT	28.1	4.4

POLAND

(Telex received 27 November 1975 from Mr Kalinowski)

Re: Polish proposed effort regulation, Subareas 2, 3, and 4

We submit hereunder our proposal for effort regulation. List of number of fishing days to apply the regulation of fishing effort for groundfish in Subareas 2, 3, and 4 in 1976.

A. Base period - 1973 - revised data¹.

a) Area:	2+3K	3LNO	3M	3P	4VWX	Total
b) Vessel tonnage: 1000-1999.9	-	-	-	-	78	78
> 2000	2422	563	102	18	11	3116
c) Transfer from tonnage: 1000-1999.9 to > 2000 ²	2422	563	102	18	99	3204

B. Proposal for the limitation of fishing days for 1976 (40 percent reduction of fishing days based upon 1973 revised data).

a) Fishing days without transfers from area to area	1453	338	102	18	99	2010
b) Allocation of effort in relation to catch quota allocation ³	1630	300	80	-	-	2010

¹ Revised data were prepared taking into consideration that the term "fishing day" means 24 hour period, reckoned from midnight during which any fishing took place. The statistical data as reported by Poland for 1973 were prepared according to the Polish national practice which eliminated from these data the fishing days only partly used for fishing (less than 8 hours per sea day).

Example: After 2 hours of fishing, a vessel was pressed to stop further fishing because of engine trouble, stormy weather, loss of nets, etc.

² Conversion factor = 1125/78 days (based upon averages of relative catches related for all Subareas 2, 3, and 4 in the last three years - 1972, 1973, 1974).

³ Transfers from area 3P - 18 days; 4VWX - 99 days; 3M - 22 days; and 3LNO - 38 days to area 2+3K - 177 days.

PORTUGAL

(Telex received 15 December 1975 from Capt Cardoso)

Fishing effort for Portugal for 1976 based on fishing effort for 1973 taking into account the corresponding conversion factors as follows:

2+3K	OT6	1445 days resulting from 1066 plus 141 from 3P (OT6) plus 182 from 4VWX (OT6) plus 56 from 4VWX (OT7)
	OT7	577 days resulting from 490 plus 29 from 3P (OT7) plus 58 from 4VWX (OT7)
3LNO	GN5	388 days resulting from 300 plus 64 from 3LNO (DV5) plus 24 from 3LNO (DV6)
	GN6	427 days resulting from 350 plus 55 from 3LNO (DV5) plus 22 from 3LNO (DV6)

3LNO OT6 1356 days resulting from 1165 plus 127 from 3LNO (DV5) plus 62 from 3LNO (DV6)
 OT7 509 days resulting from 451 plus 40 from 3LNO (DV5) plus 18 from 3LNO (DV6)
 3P GN5 8 days from 3P (GN6)
 4VWX GN5 2 days from 3P (GN6)
 GN6 5 days resulting from 2 plus 3 from 3P (GN6)
 3M The same as in 1973 without any reductions

SPAIN

(Telex received 9 December 1975 from Mr Bermejo)

The base period chosen by the Spanish Government for fishing effort regulation has been the average of the years 1972-73 as it stands in ICNAF Serial No. 3713 (10 October 1975), which allows for a total of fishing days for gear category as follows:

PT	150- 499.9	4359
PT	500- 999.9	1713
OT	1000-1999.9	1163
PT	1000-1999.9	471

for Subareas 2, 3, and 4 together.

However, the Spanish Government wishes to make arrangements in the distribution of the fishing effort between year categories, using the conversion factors as required in the Canadian proposal, based on the catch rate per day fished. Average of the years 1971, 1972, and 1973 calculated from the ICNAF Statistical Bulletins for those years as follows:

- 1) To transfer 157 fishing days from PT 1000-1999.9 to fishing days of PT 500-999.9, using the conversion factor: $157 \times 0.75 = 117.75$ fishing days PT 500-999.9.
- 2) To transfer 1219 fishing days from category PT 150-499.9 to PT 500-999.9 category, using the conversion factor: $1219 \times 0.69 = 841.11$ fishing days PT 500-999.9.

The new distribution of fishing days for Subareas 2, 3, and 4 together per gear category remains then as follows:

PT	150- 499.9	3140
PT	500- 999.9	2672
OT	1000-1999.9	1163
PT	1000-1999.9	314
<u>Total</u>		<u>7289</u>

Furthermore, the Spanish Government wishes to arrange those days among the proposed areas as follows:

	<u>2+3K</u>	<u>3LNO</u>	<u>3M</u>	<u>3P</u>	<u>4VWX</u>	<u>Total</u>
PT 150- 499.9	215	2136	40	408	341	3140
PT 500- 999.9	183	1818	34	349	288	2672
OT 1000-1999.9	558	302	82	105	116	1163
PT 1000-1999.9	22	202	14	43	33	314
<u>Total</u>	<u>978</u>	<u>4458</u>	<u>170</u>	<u>905</u>	<u>778</u>	<u>7289</u>

USSR

(Letter received 5 January 1976 from Dr Bogdanov)

USSR Proposal for regulation of fishing effort limitation for groundfish in Subareas 2, 3, and 4 of the Convention Area

Base period	Vessel tonnage	Gear	Days fished for groundfish				Basic distribution of fishing effort				Proposed distribution of fishing effort						
			Areas				Areas				Areas						
			2+3K	3LNO	3M	3Ps	4VWX	2+3K	3LNO	3M	3Ps	4VWX	2+3K	3LNO	3M	3Ps	4VWX
1972-1973	150-499.9	OT	-	1024	23	1902	53	-	563	23	1046	53	-	563	23	172	53
	500-999.9	OT	14	94	7	6	108	14	94	7	6	108	14	94	7	6	108
	> 2000	OT	5046	2947	1304	154	6827	2775	1621	717	154	3755	3898	1051	736	154	3425
		MWT	624	1203	-	-	-	343	662	-	-	-	343	662	-	-	-

A. The Soviet Side prefers to take as a base period the average number of fishing days in 1972-73 and, accordingly, to reduce days fished for groundfish in 1976 by 45%.

B. The Soviet Side, basing on adjusted fishing effort statistics for 1972-73 for vessels tonnage category over 2000 gross tons in areas 2+3K and 3LNO, has considered it necessary to add days fished for groundfish by MWT to days fished for groundfish by OT allocated to the USSR.

C. Redistribution and conversion of fishing effort in 1976 is carried out between tonnage categories as well as between areas:

- days fished for tonnage category over 2000 gross tons have been moved from area 4VWX into area 2+3K, using a conversion factor of 1.2;
- days fished have been moved from area 3LNO into area 2+3K, using a conversion factor of 1.0;
- when distributing fishing efforts between vessels tonnage categories of 150-499.9 gross tons and over 2000 gross tons, days fished have been transferred from area 3P into area 2+3K, using a conversion factor of 0.2, days fished for groundfish have been transferred from area 3P into area 3M, using a conversion factor of 0.2.

UNITED KINGDOM

(Telex received 28 November 1975 from Mr Graham, MAFF)

Resolution relating to the implementation of the proposal for international regulation of fishing effort for groundfish in Subareas 2, 3, and 4 of the Convention Area, adopted by ICNAF in Plenary Session on September 1975.

In accordance with paragraph 2 of the above proposal, the information for the United Kingdom is as follows:

- (a) The United Kingdom intends to use 1972 as the base period.
- (b) On checking the data extracted by the UK delegation in September in Montreal, it appears that some errors occurred, which were reflected in the illustrative table attached to the proposal. The correct figures for 1972, based on the ICNAF Statistical Bulletin, are as follows:

Vessel tonnage	Days fished for groundfish					Days fished reduced by 50% in accordance with the proposal				
	Base data									
	Area					Area				
	2+3K	3LNO	3M	3P	4VWX	2+3K	3LNO	3M	3P	4VWX
500- 999.9	60	43	97	-	-	60	43	97	-	-
1000-1999.9	653	504	642	-	85	326	300	321	-	85

- (c) For 1976 the United Kingdom wishes to redistribute fishing effort as follows (the conversion factor for transfer between vessel tonnage categories, based on averages of relative catch rates in Subareas 2, 3, and 4 for 1972, 1973, and 1974, is a ratio of 1:1):

Vessel tonnage	National allocation of fishing effort (days fishing)				
	For 1976				
	Area				
	2+3K	3LNO	3M	3P	4VWX
500- 999.9	-	-	-	-	-
1000-1999.9	616	246	370	-	-

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Addendum 1

EIGHTH SPECIAL COMMISSION MEETING - JANUARY 1976

Statement by the Cuban delegation on fishing effort limitation

In studying the results of the Montreal Meeting in regard to the effort allocations in Subareas 2, 3, and 4, Cuba finds no reason to ask for a re-allocation in her figures.

However, our country is now suffering some delays in the reception of some of the new vessels intended to be used at the beginning of this year in the fishery for cod in South Labrador. For that reason, we feel we will need more days than expected to catch a substantial part of our 2J-3KL cod quota in Div. 3K and 3L.

Therefore, we are requesting a transfer of 50 fishing days from the area 2+3K to the area 3LNO as follows:

<u>Cuba</u>		<u>2+3K</u>	<u>3LNO</u>	
> 2000	OT	300	400	(Montreal figures)
> 2000	OT	250	450	(Rome figures)



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ICNAF Comm.Doc. 76/I/1
Addendum 2

EIGHTH SPECIAL COMMISSION MEETING - JANUARY 1976

Proposal for allocation of the 1976 Portuguese fishing effort

by

G. Pestana and E. Cadima

1. Gear/vessel categories of the Portuguese fleet

Portuguese vessels use three different types of gear which, combined with vessel tonnage categories, make 6 gear/vessel categories. These are as follows:

Dory vessels, less than 1000 tons	DV5
Gillnets, less than 1000 tons	GN5
Otter trawl, 1000 to 2000 tons	OT6
Dory vessels, 1000 to 2000 tons	DV6
Gillnets, 1000 to 2000 tons	GN6
Otter trawl, more than 2000 tons	OT7

2. Conversion factors for days fished by one gear/vessel type into another

Catch per effort, in tons per day fished, were calculated for the 6 gear/vessel categories for the years 1971, 1972, and 1973 and for the regions 2+3K, 3LNO, 3M, 3P, and 4VWX (Table 1).

As the annual values for each area and gear/vessel category are not very different, a catch per effort average was calculated in each area and in each gear/vessel category for the purpose of obtaining a conversion factor (see Table 1).

In Table 2 conversion factors for days fished from one gear/vessel category into another were obtained for each area by dividing the corresponding catches per effort averages given in Table 1.

As the conversion factors do not vary very much from area to area, averages for the whole area were calculated and presented in Table 3. These are the factors adopted for converting fishing effort from one gear/vessel type into another.

3. Allocation of fishing effort for 1976

Table 4 gives the days fished for groundfish in the base year (1973) and the allocation for 1976, that is, 40% reduction in the lower limit of 300 days fished, as proposed by the Canadian delegation (7th Special Meeting Proceedings No. 4, Appendix I).

Table 5 gives the proposal presented by Portugal for the allocation of 1976 fishing effort. This table was obtained by transferring days fished from one area to another and from one gear/vessel type to another. Conversion factors were applied when transferring between gear/vessel types.

Table 6 shows in detail the transfers done. According to the Portuguese position in the September 1975 Meeting of the Commission, no reduction for 1976 was done on the fishing effort of 1973 in Div. 3M.

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Table 1. Catch (C), effort (E), and catch/effort (C/E), in tons per day fished, for the years 1971, 1972 and 1973 and overall averages, for the gear/vessel types and areas.

Gear	Year	2+3K			3LNO			3M			3P			4VWX		
		C	E	C/E	C	E	C/E	C	E	C/E	C	E	C/E	C	E	C/E
DV 5	1971	-	-	-	10531	725	14.53	-	-	-	-	-	-	-	-	-
	1972	-	-	-	6629	361	18.36	131	11	11.91	51	7	7.29	459	29	15.83
	1973	-	-	-	4179	200	20.90	-	-	-	1756	116	15.74	68	7	9.71
	Average:	-	-	-	-	-	16.59	-	-	11.91	-	-	14.69	-	-	14.64
GN 5	1971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1972	-	-	-	2257	289	7.81	-	-	-	-	-	-	-	-	-
	1973	-	-	-	2155	359	6.00	-	-	-	-	-	-	-	-	-
	Average:	-	-	-	-	-	6.81	-	-	-	-	-	-	-	-	-
OT 6	1971	22546	1352	16.68	44322	3246	13.65	3673	262	14.02	879	63	13.95	39	6	6.50
	1972	17177	1242	13.83	22360	2183	10.24	22150	1486	14.91	375	46	8.15	1680	164	10.24
	1973	22184	1778	12.48	19672	1942	10.13	7701	592	13.01	1916	165	11.61	2104	217	9.70
	Average:	14.16	-	-	11.72	-	-	14.33	-	-	11.57	-	-	9.88	-	-
DV 6	1971	-	-	-	4350	209	20.81	-	-	-	-	-	-	-	-	-
	1972	-	-	-	1966	77	25.53	-	-	-	75	5	15.00	480	14	34.29
	1973	-	-	-	1294	52	24.88	-	-	-	682	27	25.20	121	7	17.29
	Average:	-	-	-	22.51	-	-	-	-	23.66	-	-	28.62	-	-	-
GN 6	1971	-	-	-	9369	659	14.22	-	-	-	-	-	-	-	-	-
	1972	-	-	-	9221	716	12.88	-	-	-	5	1	5.00	-	-	-
	1973	-	-	-	7768	584	13.30	-	-	-	110	17	6.47	1	2	0.50
	Average:	-	-	-	13.46	-	-	-	-	6.39	-	-	0.50	-	-	-
OT 7	1971	17240	705	24.45	12272	715	17.16	3599	203	17.73	192	8	24.00	105	6	17.50
	1972	9589	436	21.99	8047	523	15.39	9711	547	17.85	445	41	10.85	1342	82	16.37
	1973	16038	817	19.63	10473	752	13.93	3428	266	12.89	557	34	16.38	1299	119	10.92
	Average:	21.89	-	-	15.47	-	-	16.47	-	-	14.39	-	-	13.27	-	-

Table 2. Conversion factors for days fished by one gear/vessel type into another, by areas.

		INTO					
		DV 5	GN 5	OT 6	DV 6	GN 6	OT 7
FROM	DV 5	2+3K	-	-	-	-	-
		3LNO	2.44	1.42	0.74	1.23	1.07
		3M	1.00	-	0.83	-	0.72
		3P	-	-	1.27	0.72	2.30
		4VWX	-	-	1.48	0.51	...
		GN 5	2+3K	-	-	-	-
			3LNO	0.41	0.58	0.30	0.51
			3M	-	1.00	-	-
			3P	-	-	-	-
			4VWX	-	-	-	-
		OT 6	2+3K	-	-	-	0.65
			3LNO	0.71	1.72	0.52	0.87
			3M	1.20	-	1.00	0.87
			3P	0.79	-	0.49	1.81
			4VWX	0.67	-	0.35	...
		DV 6	2+3K	-	-	-	-
			3LNO	1.36	3.31	1.92	1.67
			3M	-	-	1.00	-
			3P	1.61	-	2.04	3.70
			4VWX	1.95	-	2.90	...
		GN 6	2+3K	-	-	-	-
			3LNO	0.81	1.98	1.15	0.60
			3M	-	-	-	1.00
			3P	0.43	-	0.55	0.27
			4VWX
		OT 7	2+3K	-	-	1.55	-
			3LNO	0.93	2.27	1.32	0.69
			3M	1.38	-	1.15	-
		3P	0.98	-	1.24	0.61	
		4VWX	0.91	-	1.34	0.46	

... Unknown value - No fishing

Table 3. Conversion factors for days fished by one gear/vessel type into another.

		INTO					
		DV 5	GN 5	OT 6	DV 6	GN 6	OT 7
FROM	DV 5	1.00	2.44	1.25	0.66	1.77	0.98
	GN 5	0.41	1.00	0.58	0.30	0.51	0.44
	OT 6	0.84	1.72	1.00	0.45	1.34	0.76
	DV 6	1.64	3.31	2.28	1.00	2.69	1.75
	GN 6	0.62	1.98	0.85	0.43	1.00	0.66
	OT 7	1.05	2.27	1.32	0.59	1.70	1.00

Table 4.

Country	Base period	Gear	Days fished for groundfish					National allocations of fishing effort (days fishing) for 1976				
			Base data					Area				
			2+3K	3LNO	3M	3P	4VWX	2+3K	3LNO	3M	3P	4VWX
Portugal	1973	DV 5	-	200	-	116	7	-	200	-	116	7
		GN 5	-	359	-	-	-	-	300	-	-	-
		OT 6	1,778	1,942	592	165	217	1,066	1,165	355	165	217
		DV 6	-	52	-	27	7	-	52	-	27	7
		GN 6	-	584	-	17	2	-	350	-	17	2
		OT 7	817	752	266	34	119	490	451	266	34	119

Table 5.

Country	Base period	Gear	Proposed allocation for 1976				
			2+3K	3LNO	3M	3P	4VWX
Portugal	1973	DV 5	-	0	-	0	0
		GN 5	-	388	-	8	2
		OT 6	1,445	1,354	592	65	148
		DV 6	-	0	-	0	0
		GN 6	-	427	-	9	5
		OT 7	577	509	266	6	77

Table 6. Transference of days fished among areas and gear/vessel types.

Gear		Area				
		2+3K	3LNO	3M	3P	4VWX
DV 5	1976 allocation	-	200	-	116	7
	-26 days to 3LNO/GN5		-26			
	-102 days to 3LNO/OT6		-102			
	-31 days to 3LNO/GN6		-31			
	-41 days to 3LNO/OT7		-41			
	-116 days to 2+3K/OT6				-116	
	-7 days to 2+3K/OT6					-7
Proposed allocation for 1976		-	0	-	0	0
GN 5	1976 allocation	-	300	-	-	-
	+26 days from 3LNO/DV5		+64			
	+7 days from 3LNO/DV6		+24			
	+4 days from 3P/GN6				+8	
	+1 day from 3P/GN6					+2
Proposed allocation for 1976		-	388	-	8	2
OT 6	1976 allocation	1,066	1,165	355	165	217
		+100			-100	
		+69				-69
	+116 days from 3P/DV5	+145				
	+7 days from 4VWX/DV5	+9				
	+42 days from 4VWX/OT7	+56				
	+102 days from 3LNO/DV5		+127			
	+27 days from 3LNO/DV6		+62			
Proposed allocation for 1976		1,445	1,354	(592)*	65	148
DV 6	1976 allocation	-	52	-	27	7
	-7 days		-7			
	-8 days		-8			
	-27 days		-27			
	-10 days		-10			
	-27 days				-27	
	-7 days					-7
	Proposed allocation for 1976		-	0	-	0
GN 6	1976 allocation	-	350	-	17	2
	+8 days from 3LNO/DV6		+22			
	+31 days from 3LNO/DV5		+55			
	-4 days to 3P/GN5				-4	
	-1 day to 4VWX/GN5				-1	
				-3	+3	
Proposed allocation for 1976		-	427	-	9	5
OT 7	1976 allocation	490	451	266	34	119
		+28			-28	
	+41 days from 3LNO/DV5		+40			
	+10 days from 3LNO/DV6		+18			
	+27 days from 3P/DV6	+47				
	+7 days from 4VWX/DV6	+12				
	-42 days to 2+3K/OT6					-42
Proposed allocation for 1976		577	509	266	6	77

* (592) same value as 1973.

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Corrigendum

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Proposal for allocation of the 1976 Portuguese fishing effort

The following tables replace Tables 5 and 6 found on pages 4 and 5 in the original document.

Table 5. (Revised)

Country	Base period	Gear	Proposed allocation for 1976				
			2+3K	Area 3LNO	3M	3P	4VWX
Portugal	1973	DV 5	-	0	-	0	0
		GN 5	-	483	-	8	2
		OT 6	1,496	1,362	592	24	35
		DV 6	-	0	-	0	0
		GN 6	-	527	-	9	5
		OT 7	589	527	266	5	19

Table 6. Transfers of days fished among areas and gear/vessel types.
(Revised)

Gear		Area				
		2+3K	3LNO	3M	3P	4VWX
DV 5	1976 allocation	-	200	-	116	7
	-7 days to 3LNO/GN6					-7
	-41 days to 2+3K/OT6				-41	
	-6 days to 3LNO/OT6				-6	
	-19 days to 3LNO/OT7				-19	
	-13 days to 2+3K/OT7				-13	
	-19 days to 3LNO/GN5				-19	
	-18 days to 3LNO/GN6				-18	
	-26 days to 3LNO/GN5		-26			
	-102 days to 3LNO/OT6		-102			
	-31 days to 3LNO/GN6		-31			
-41 days to 3LNO/OT7		-41				
Proposed 1976 allocation		-	0	-	0	0
GN 5	1976 allocation	-	300	-	-	-
	+26 days from 3LNO/DV5		+64			
	+7 days from 3LNO/DV6		+24			
	+4 days from 3P/GN6				+8	
	+1 day from 3P/GN6					+2
	+19 days from 3P/DV5		+45			
	+15 days from 3P/DV6		+50			
Proposed 1976 allocation		-	483	-	+8	+2
OT 6	1976 allocation	1,066	1,165	355	165	217
		+141			-141	
		+182				-182
	+42 days from 4VWX/OT7	+56				
	+102 days from 3LNO/DV5		+127			
	+27 days from 3LNO/DV6		+62			
	+41 days from 3P/DV5	+51				
	+6 days from 3P/DV5		+8			
Proposed 1976 allocation		1,496	1,362	592*	24	35
DV 6	1976 allocation	-	52	-	27	7
	-7 days to 3LNO/GN5		-7			
	-8 days to 3LNO/GN6		-8			
	-27 days to 3LNO/OT6		-27			
	-10 days to 3LNO/OT7		-10			
	-15 days to 3LNO/GN5				-15	
	-12 days to 3LNO/GN6				-12	
	-7 days to 3LNO/GN6					-7
Proposed 1976 allocation		-	0	-	0	0
GN 6	1976 allocation	-	350	-	17	2
	+8 days from 3LNO/DV6		+22			
	+31 days from 3LNO/DV5		+55			
	-4 days to 3P/GN5				-4	
	-1 day to 4VWX/GN5				-1	
	+18 days from 3P/DV5		+32		-3	+3
	+7 days from 4VWX/DV5		+13			
	+12 days from 3P/DV6		+32			
	+7 days from 4VWX/DV6		+18			
	Proposed 1976 allocation		-	522	-	9
OT 7	1976 allocation	490	451	266	34	119
	-42 days to 2+3K/OT6				-29	-42
		+29				
		+58				-58
	+41 days from 3LNO/DV5		+40			
	+10 days from 3LNO/DV6		+18			
	+19 days from 3P/DV5		+18			
	+13 days from 3P/DV5	+12				
Proposed 1976 allocation		589	527	266	5	19

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Addendum 3

EIGHTH SPECIAL COMMISSION MEETING - JANUARY 1976

Extract from Report of STACRES concerning revisions to basic effort data for effort regulation in Subareas 2 to 4, 1976 (Proc. 1, App. I)

1. Review of revised basic data and change in proposed allocation of days fishing for 1976 as submitted by Member Countries since the September 1975 Commission Meeting and summarized in Comm.Doc. 76/I/1 and Addenda

The following are explanatory notes additional to those contained in Comm.Doc. 76/I/1 and Addenda for those countries which reported and were represented in the Working Group for which additional explanation of revised data was necessary.

Bulgaria

The fishing days requested for 1976 by Bulgaria in Subarea 2+Div. 3K, Div. 3LNO, and Div. 4VWX (total of 380 days) are mainly additional to those allocated to Bulgaria at the September 1975 Commission Meeting (total of 21 days).

Japan

The revised fishing days submitted by Japan are identical to those allocated at the September 1975 Commission Meeting, except for those in tonnage category 2000 GRT in Div. 4VWX, which are increased to 179 from 170 and those in tonnage category 1000-1999.9 GRT in Div. 4VWX, which are increased from 9 to 18, because of an error found in the 1973 statistics as previously reported to ICNAF.

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Poland

The revised data for 1973 on days fished by Poland in Comm.Doc. 76/I/1 contain pelagic effort as well as bottom effort. After discussion it was concluded by the Working Group that, since the fishing effort regulation is for groundfish, effort directed at pelagic species should be excluded from the data, as was the case with the days fished in the illustrative table in Proceedings No. 4 of the September 1975 Commission Meeting. Consequently, an estimate of the effort in each area directed at pelagic species was subtracted from the reported days fished. In addition, Poland indicated that previously the Polish days fished had been reported according to a definition used nationally in Poland (i.e., excluding any days on which less than 8 hours fishing took place). The previously reported days fished for groundfish were consequently corrected to comply with the ICNAF definition of days fished and this resulted in the 1973 days fished shown in Table II for Poland.

Removal of pelagic effort results in revision of the base data as follows (expressed in days fished using the ICNAF definition):

<u>Tonnage class</u>		<u>2+3K</u>	<u>3LNO</u>	<u>3M</u>	<u>3P</u>	<u>4VWX</u>
1000-1999.9	Total effort	-	-	-	-	78
	Pelagic effort	-	-	-	-	38
	Groundfish effort	-	-	-	-	40
> 2000	Total effort	2,422	563	102	18	11
	Pelagic effort	53	17	9	1	-
	Groundfish effort	2,369	546	93	17	11

Portugal

The submission by Portugal in Comm.Doc. 76/I/1 provides information on areas and tonnage/gear categories to which effort has been transferred only, and does not provide information on days fished remaining in other categories to which no effort was transferred or the conversion factors used for the transfers. Attention is drawn

to the fact that some errors were found in the submission by Portugal in Comm. Doc. 76/I/1 in that some dory vessel days were remaining after transfer and conversion and these have subsequently been converted to other gear/tonnage categories. Consequently, Addendum II to Comm.Doc. 76/I/1 was circulated and this describes fully the details of transfers, the conversion factors used and the days requested in 1976.

USSR

Historically, the USSR has reported fishing effort by midwater trawls and bottom trawls as otter trawl effort, with no distinction between gears. The USSR statistical office has historically associated bottom fish (groundfish) catches with bottom trawl effort and pelagic fish catches with midwater trawl effort. This was in error as some groundfish are caught by midwater trawls and some pelagic fish with bottom trawls. A revision of the base period data for Subarea 2+Div. 3K, and Div. 3LNO, correcting for these errors, gives the values for fishing effort by gear type shown in Table II.

USA

Historically, the USA has reported effort using a national, rather than the ICNAF, definition of days fished. As this definition is essentially the number of hours engaged in fishing operations divided by 24, the actual number of calendar days on which fishing took place is substantially greater than days reported. US data for 1972 and 1973 have been converted to the ICNAF days fished definition through re-analysis of fishing logbook data for these years to determine the relationship of days fished by ICNAF and US national definitions. These converted days fished are shown in Table II. Further minor revisions may be expected in Table II as not all revisions for all countries in Comm.Doc. 76/I/1 could be considered at the time of the Working Group meeting.

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Addendum 4

EIGHTH SPECIAL COMMISSION MEETING - JANUARY 1976

Submission by the Romanian Delegate on fishing effort limitation

With reference to Canadian proposal on effort limitation:

- vessels over 2000 GRT		
- gear - only OT		
- average 1972-73 - 220 days on ground fishing		
- distribution:		
	Subarea 2+3K	80 days
	3LNO	80 days
	3M	25 days
	3P	35 days
	<hr/>	
	Total	220 days

Romania agrees in total with Canadian proposal.

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Addendum 5

EIGHTH SPECIAL COMMISSION MEETING - JANUARY 1976

Submission by Danish delegation on fishing effort limitation

After transmission by telex of various basic data and proposals for re-distribution of effort by Denmark(F) and (G), some discrepancies have been found between Faroese basic data as supplied in corrigendum to Comm.Doc. 75/IX/42 and the proposals for redistribution of effort in Comm.Doc. 76/I/1.

The basic data remain unchanged but proposed figures for redistributed days fished should be changed for the 500-999.9 OT as follows:

SA2+3K: 300 be changed to 254

Divs. 3LNO: 76 be changed to 66.

For Denmark(G) the basic figure for OT 500-999.9 in SA2+3K is 57 (not 56. Error in summing up of data as can be readily seen in Comm.Doc. 76/I/1). Accordingly the figure for proposed redistribution of effort in SA2+3K should read 66 (not 65) for Denmark(G). (This correction was incorporated in the Base Data figures in Table II of the Report of the Working Group of Effort Regulation).

According to the overall Danish (F&G) basic data (Table II in the Report referred to above) a reduction of 14 fishing days for the 500-999.9 OT is required to meet the proposal for effort reduction. This reduction has been applied to the figures proposed for SA2+3K so that the proposed revised sum of 320 fishing days for Denmark (F&G) is reduced to 306 fishing days.

Accordingly, in Table II of the Report of the Working Party on Effort Regulation (January, 1976) the following corrections should be made for proposed fishing days in 1976 for Danish OT 500-999.9:

SA2+3K: 366 be changed to 306

3LNO: 93 be changed to 83

Other divisions: No corrections

These corrections will have no influence on the analyses as reported by the Working Party in Table I of its report.

