PANEL INTERNACIONAL DE REVISION - INTERNATIONAL REVIEW PANEL

30ª REUNION - 30TH MEETING

MANZANILLO (MEXICO)
19-20 JUN 2002

DOCUMENTO IRP-30-11

ANALISIS DE PROPUESTAS PARA DETERMINAR LA UTILIZACION DE LMD

En la 29ª reunión del PIR, se pidió a la Secretaría analizar lo siguiente:

1. una propuesta que, para poder tener derecho a un LMD, un buque necesitase realizar al menos 10 lances sobre delfines durante el año anterior, y capturar al menos 100 toneladas de atún en los mismos;

2. datos sobre buques con LMD que efectúen menos de tres lances anuales sobre delfines para ver si existe algún patrón; y

3. el porcentaje de lances sobre delfines para cada buque para ver si esto ayudase a aclarar la proporción de solicitudes frívolas.

Los datos en las Tablas 1-3 responden a estas solicitudes.

En la Tabla 1 se presentan los patrones de actividad durante 1999–2001 de buques de más de 363 toneladas con LMD en al menos uno de esos años que no realizaron al menos 10 lances sobre atunes asociados con delfines y capturaron al menos 100 toneladas de atún en los mismos en cada año de ese período en que tuvo LMD.

En la Tabla 2 se presentan datos equivalentes para buques que no efectuaron al menos 3 lances sobre delfines en cada año de ese período.

En la Tabla 3 se detalla la proporción de lances sobre delfines, y el porcentaje de la captura total de atún lograda en esos lances, durante 1999–2001 para buques de más de 363 toneladas con LMD en al menos uno de esos años.

DOCUMENT IRP-30-11

ANALYSIS OF PROPOSALS TO DETERMINE UTILIZATION OF DMLS

At the 29th meeting of the IRP, the Secretariat was asked to analyze the following:

1. a proposal that, in order to qualify for a DML, a vessel must, during the previous year, have made at least 10 sets on dolphins in which at least 100 tons of tuna were taken;

2. data on vessels with DMLs that made less than three sets on dolphins in a year to see if there is any pattern; and

3. the percentage of sets made on dolphins by each vessel to see if this shed light on the extent of frivolous requests.

The data in Tables 1-3 address these requests.

Table 1 shows the patterns of activity during 1999–2001 of vessels over 363 mt with a DML in at least one of the years that did not make at least 10 sets on tunas associated with dolphins and catch at least 100 mt of tuna in such sets in every year of that period in which it had a DML.

Table 2 shows equivalent data for vessels that did not make at least 3 sets on dolphins in every year of the period.

Table 3 shows the proportion of sets made on dolphins, and of the percentage of the total catch of tuna taken in such sets, during 1999–2001 for vessels over 363 mt with a DML in at least one of the years.

TABLE 1: Pattern of fishing activity during 1999–2001 of vessels over 363 mt with a DML in at least one of the years that did not make at least 10 sets on tunas associated with dolphins and catch at least 100 mt of tuna in such sets in every year of that period. **Note**: Data in shaded cells are incomplete.

TABLA 1: Patrones de actividad durante 1999–2001 de buques de más de 363 toneladas con LMD en al menos uno de esos años que no realizaron al menos 10 lances sobre atunes asociados con delfines y capturaron al menos 100 toneladas de atún en los mismos en cada año de ese período. **Nota**: Los datos en las celdas sombreadas son incompletos.

	1999			2000			2001		
	DML? x = yes - = no	Number of sets on dolphins	Retained catch (MT)	DML? x = yes - = no	Number of sets on dolphins	Retained catch (MT)	DML? x = yes - = no	Number of sets on dolphins	Retained catch (MT)
	LMD? x = sí - = no	Número de lances so-bre delfines	Captura retenida (TM)	LMD? x = sí - = no	Número de lances so-bre delfines	Captura retenida (TM)	LMD? x = sí - = no	Número de lances so-bre delfines	Captura retenida (TM)
1	x	0	0	x	0	0	-	0	0
2	-	0	0	x	0	0	-	0	0
3	-	0	0	-	0	0	x	0	0
4	x	0	0	-	0	0	-	1	0
5	x	69	73	x	98	882	x	58	954
6	x	0	0	x	0	0	-	0	0
7	x	0	0	-	0	0	-	0	0
8	x	0	0	x	0	0	-	0	0
9	-	0	0	x	0	0	-	0	0
10	x	1	0	x	1	0	-	0	0
11	x	12	13	x	29	223	-	0	0
12	x	10	33	x	8	8	-	6	0
13	x	0	0	-	0	0	-	0	0
14	x	6	243	x	251	5,180	x	175	3,557
15	x	0	0	x	0	0	-	0	0
16	x	0	0	-	0	0	-	0	0
17	x	0	0	x	0	0	-	0	0
18	x	14	14	x	13	79	x	59	456
19	x	1	0	x	1	0	-	0	0
20	x	0	0	x	0	0	-	0	0
21	x	15	13	-	0	0	-	0	0
22	x	24	24	x	0	0	-	0	0
23	x	15	34	x	20	86	-	0	0
24	x	1	0	x	1	0	-	0	0
25	-	0	0	x	0	0	-	0	0
26	x	1	5	x	3	15	x	3	35
27	x	1	1	x	1	0	x	0	0
28	x	18	27	x	19	49	-	0	0
29	x	0	0	-	0	0	-	0	0
30	x	0	0	x	0	0	-	0	0
31	-	0	0	x	0	0	x	0	0
32	x	81	58	x	57	228	x	97	1,072
33	x	1	0	x	1	0	-	0	0
34	x	8	31	x	45	252	-	12	260
35	x	33	0	x	30	24	x	65	1,074
36	x	11	45	x	21	109	x	19	277
37	x	0	0	-	0	0	-	0	0
38	x	0	0	-	0	0	-	0	0

TABLE 1: (continued)
TABLA 1: (continuación)

	1999			**2000**			**2001**		
	DML? x = yes - = no	Number of sets on dolphins	Retained catch (MT)	DML? x = yes - = no	Number of sets on dolphins	Retained catch (MT)	DML? x = yes - = no	Number of sets on dolphins	Retained catch (MT)
	LMD? x = sí - = no	Número de lances so- bre delfines	Captura retenida (TM)	LMD? x = sí - = no	Número de lances so- bre delfines	Captura retenida (TM)	LMD? x = sí - = no	Número de lances so- bre delfines	Captura retenida (TM)
39	x	0	0	-	0	0	-	0	0
40	x	0	0	-	0	0	-	0	0
41	x	0	0	-	0	0	-	0	0
42	x	0	0	-	0	0	-	0	0
43	x	1	0	x	1	0	-	0	0
44	x	0	0	-	0	0	-	0	0
45	x	2	0	x	2	0	-	5	3
46	x	1	0	x	1	0	-	0	0
47	x	0	0	-	0	0	-	0	0
48	x	0	0	x	1	0	-	0	0
49	-	0	0	-	0	0	x	0	0
50	x	1	0	x	1	0	-	0	0
51	x	0	0	x	1	0	-	0	0
52	x	0	0	-	0	0	-	0	0
53	x	1	0	x	0	0	-	0	0
54	x	0	0	-	0	0	-	0	0
55	x	0	0	-	0	0	-	0	0
56	x	1	0	x	1	0	-	0	0
57	x	0	0	x	1	0	-	0	0
58	x	0	0	-	0	0	-	0	0
59	x	0	0	-	0	0	-	0	0
60	x	0	0	-	0	0	-	0	0
61	x	0	0	-	0	0	-	0	0
62	x	0	0	x	1	0	-	0	0
63	-	0	0	x	0	0	-	0	0

TABLE 2: Pattern of fishing activity during 1999–2001 of vessels over 363 mt with a DML in at least one of the years that did not make at least 3 sets on tunas associated with dolphins in every year of that period.

TABLA 2: Patrones de actividad durante 1999–2001 de buques de más de 363 toneladas con LMD en al menos uno de esos años que no realizaron al menos 3 lances sobre atunes asociados con delfines en cada año de ese período.

	1999		2000		2001	
	DML? x = yes - = no	Number of sets on dolphins	DML? x = yes - = no	Number of sets on dolphins	DML? x = yes - = no	Number of sets on dolphins
	LMD? x = sí - = no	Número de lances sobre delfines	LMD? x = sí - = no	Número de lances sobre delfines	LMD? x = sí - = no	Número de lances sobre delfines
1	x	0	x	0	-	0
2	-	0	x	0	-	0
3	-	0	-	0	x	0
4	x	0	-	0	-	1
5	x	0	x	0	-	0
6	x	0	-	0	-	0
7	x	0	x	0	-	0
8	-	0	x	0	-	0
9	x	1	x	1	-	0
10	x	0	-	0	-	0
11	x	0	x	0	-	0
12	x	0	-	0	-	0
13	x	0	x	0	-	0
14	x	1	x	1	-	0
15	x	0	x	0	-	0
16	x	24	x	0	-	0
17	x	1	x	1	-	0
18	-	0	x	0	-	0
19	x	1	x	3	x	3
20	x	1	x	1	x	0
21	x	0	-	0	-	0
22	x	0	x	0	-	0
23	-	0	x	0	x	0
24	x	1	x	1	-	0
25	x	0	-	0	-	0
26	x	0	-	0	-	0
27	x	0	-	0	-	0
28	x	0	-	0	-	0
29	x	0	-	0	-	0
30	x	0	-	0	-	0
31	x	1	x	1	-	0
32	x	0	-	0	-	0
33	x	2	x	2	-	5
34	x	1	x	1	-	0
35	x	0	-	0	-	0

TABLE 2: (continued)
TABLA 2: (continuación)

	1999		2000		2001	
	DML? x = yes - = no	Number of sets on dolphins	DML? x = yes - = no	Number of sets on dolphins	DML? x = yes - = no	Number of sets on dolphins
	LMD? x = sí - = no	Número de lances sobre delfines	LMD? x = sí - = no	Número de lances sobre delfines	LMD? x = sí - = no	Número de lances sobre delfines
36	x	0	x	1	-	0
37	-	0	-	0	x	0
38	x	1	x	1	-	0
39	x	0	x	1	-	0
40	x	0	-	0	-	0
41	x	1	x	0	-	0
42	x	0	-	0	-	0
43	x	0	-	0	-	0
44	x	1	x	1	-	0
45	x	0	x	1	-	0
46	x	0	-	0	-	0
47	x	0	-	0	-	0
48	x	0	-	0	-	0
49	x	0	-	0	-	0
50	x	0	x	1	-	0
51	-	0	x	0	-	0

TABLE 3: Proportion of sets made on dolphins, and of the percentage of the total catch of tuna taken in such sets, for vessels over 363 mt with a DML in at least one year of the 1999–2001 period.

TABLA 3: Proporción de lances sobre delfines, y el porcentaje de la captura total de atún lograda en esos lances, para buques de más de 363 toneladas con LMD en al menos un año del período de 1999–2001.

	1999			2000			2001		
	Sets on dolphins			Sets on dolphins			Sets on dolphins		
	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch
	Lances sobre delfines			Lances sobre delfines			Lances sobre delfines		
	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total
1	x	97.7	93.9	x	86.8	88.8	x	83.8	86.4
2	x	96.9	94.0	x	95.8	90.7	x	95.5	95.4
3	x	96.7	94.2	x	81.1	77.7	x	87.2	79.9
4	x	93.1	85.2	x	94.2	97.5	x	85.3	87.9
5	x	92.3	92.9	x	93.9	100.0	-	0.0	0.0
6	x	91.6	93.7	x	71.9	69.4	x	97.0	98.6
7	x	91.3	86.0	x	94.0	85.4	x	97.4	98.6
8	x	90.7	85.2	x	69.6	54.4	-	0.0	0.0
9	x	90.0	94.1	x	57.1	43.7	-	0.0	0.0
10	x	89.6	87.8	x	69.2	68.9	-	0.0	0.0
11	x	88.9	70.6	x	69.4	61.4	x	79.3	67.2
12	x	88.5	81.3	x	81.8	81.1	x	82.4	80.7
13	x	87.5	84.1	x	79.0	67.4	x	90.4	91.5
14	x	85.4	73.2	x	79.2	67.8	x	91.9	86.0
15	x	83.9	75.6	x	92.2	78.1	x	88.4	83.9
16	x	82.6	81.0	x	81.4	75.5	x	100.0	100.0
17	x	82.2	69.4	x	79.8	88.8	x	94.8	97.3
18	x	80.2	79.5	x	31.4	17.2	x	73.8	78.7
19	x	79.3	84.2	x	93.8	88.2	x	60.3	46.1
20	x	78.3	69.5	x	78.0	71.8	x	83.5	92.0
21	x	78.1	72.5	x	86.8	70.9	x	95.7	98.0
22	x	77.9	42.7	x	100.0	100.0	x	92.0	91.1
23	x	77.6	50.2	x	81.0	85.5	x	99.2	99.8
24	x	77.1	64.4	x	72.7	61.1	x	71.9	66.5
25	x	74.8	90.6	x	80.9	79.0	x	63.0	67.7
26	x	74.7	63.5	-	0.0	0.0	x	87.5	88.9
27	x	74.3	66.3	x	56.8	54.2	x	92.0	86.3
28	x	73.8	46.7	x	83.0	66.4	x	95.7	98.2
29	x	73.6	60.5	x	83.8	78.2	x	96.3	92.7
30	x	73.3	64.2	-	0.0	0.0	-	0.0	0.0
31	x	72.2	69.0	x	69.7	77.1	x	94.1	94.7
32	x	71.3	66.4	x	72.1	63.6	x	55.4	36.4
33	x	70.7	52.8	x	78.5	63.5	-	87.4	78.0
34	x	69.6	78.7	x	98.5	99.4	x	90.2	84.4
35	x	69.2	47.4	x	75.2	73.2	x	94.3	93.1

	1999			2000			2001		
	Sets on dolphins			Sets on dolphins			Sets on dolphins		
	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch
	Lances sobre delfines			Lances sobre delfines			Lances sobre delfines		
	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total
36	x	69.0	73.1	x	85.9	79.8	x	96.0	95.9
37	x	68.9	58.3	-	0.0	0.0	x	91.0	88.6
38	x	68.8	75.6	x	64.1	72.9	x	75.9	88.9
39	x	68.6	66.3	x	88.5	78.7	x	93.5	91.7
40	x	67.4	48.0	x	81.9	67.0	-	94.6	96.5
41	x	67.3	57.9	x	51.5	44.4	x	100.0	100.0
42	x	67.0	56.4	x	82.6	86.2	x	74.0	68.3
43	x	66.7	38.6	x	71.4	66.3	x	94.0	88.8
44	x	66.7	22.4	x	38.8	20.8	-	0.0	0.0
45	x	64.5	53.3	x	96.7	95.4	x	86.3	88.0
46	x	64.3	47.7	x	94.0	94.7	x	100.0	100.0
47	x	63.7	54.5	x	77.2	73.6	x	45.0	61.5
48	x	61.0	66.9	x	36.4	39.3	x	79.7	78.0
49	x	60.6	52.1	x	68.4	60.2	x	97.3	97.3
50	x	59.9	53.1	x	75.5	78.7	x	94.4	98.3
51	x	57.7	42.8	x	93.4	90.5	x	86.5	75.4
52	x	55.8	27.2	x	77.8	64.3	x	94.8	89.7
53	x	55.5	43.3	x	76.9	68.7	-	87.5	89.6
54	x	54.7	44.2	x	93.6	95.5	x	93.2	90.7
55	x	54.4	32.5	x	75.7	74.3	x	87.8	89.3
56	x	54.0	40.7	x	86.1	83.6	-	100.0	100.0
57	x	49.4	29.9	-	0.0	0.0	x	85.5	81.0
58	x	47.7	65.5	x	51.4	49.6	x	70.3	85.9
59	x	45.3	29.4	x	57.8	46.8	x	83.7	65.4
60	x	44.1	26.3	x	72.0	65.4	x	84.6	81.0
61	x	42.9	42.5	x	83.6	65.2	x	97.5	100.0
62	x	41.5	20.6	x	76.9	85.6	x	41.7	55.3
63	x	33.9	13.6	x	57.3	39.5	-	0.0	0.0
64	x	33.3	29.5	x	90.1	88.2	x	97.5	95.4
65	x	32.8	17.1	x	24.6	6.8	-	0.0	0.0
66	x	32.2	18.8	x	21.6	18.7	x	14.4	9.2
67	x	30.0	6.4	x	38.5	28.1	x	82.0	92.2
68	x	29.6	51.2	x	45.1	33.8	x	71.4	93.5
69	x	20.8	8.0	x	50.0	21.5	-	0.0	0.0
70	x	17.7	8.0	x	87.5	100.0	x	95.0	100.0
71	x	15.4	7.3	x	16.3	11.4	-	0.0	0.0
72	x	14.0	5.3	x	56.3	59.9	x	16.4	26.9

TABLE 3: (continued)
TABLA 3: (continuación)

	1999			2000			2001		
	Sets on dolphins			Sets on dolphins			Sets on dolphins		
	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch
	Lances sobre delfines			Lances sobre delfines			Lances sobre delfines		
	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total
73	x	13.8	10.4	x	35.2	27.5	-	0.0	0.0
74	x	12.9	2.1	-	0.0	0.0	-	0.0	0.0
75	x	7.4	2.2	x	0.0	0.0	-	0.0	0.0
76	x	5.9	2.8	x	28.8	28.4	-	0.0	0.0
77	x	5.3	3.2	x	93.8	100.0	-	0.0	0.0
78	x	5.3	1.8	x	9.7	5.9	x	35.6	53.5
79	x	1.8	0.0	x	1.2	0.0	-	0.0	0.0
80	x	1.4	0.0	x	2.0	0.0	-	15.2	0.6
81	x	1.1	0.0	x	1.0	0.0	x	0.0	0.0
82	x	1.1	0.0	x	0.8	0.0	-	0.0	0.0
83	x	1.0	0.1	x	3.7	0.3	x	2.5	0.8
84	x	0.9	0.0	x	1.2	0.0	-	0.0	0.0
85	x	0.9	0.0	x	1.4	0.0	-	0.0	0.0
86	x	0.8	0.0	x	1.1	0.0	-	0.0	0.0
87	x	0.6	0.0	x	1.1	0.0	-	0.0	0.0
88	x	0.6	0.0	x	0.0	0.0	-	0.0	0.0
89	x	0.6	0.0	x	1.0	0.0	-	0.0	0.0
90	x	0.5	0.0	x	0.8	0.0	-	0.0	0.0
91	-	0.0	0.0	x	73.2	63.7	-	0.0	0.0
92	-	0.0	0.0	x	71.3	61.5	x	88.8	95.5
93	-	0.0	0.0	x	67.2	56.7	x	92.2	92.1
94	x	0.0	0.0	x	20.7	7.9	x	100.0	100.0
95	x	0.0	0.0	x	1.5	0.0	-	0.0	0.0
96	x	0.0	0.0	x	1.5	0.0	-	0.0	0.0
97	x	0.0	0.0	x	1.0	0.0	-	0.0	0.0
98	x	0.0	0.0	x	0.9	0.0	-	0.0	0.0
99	-	0.0	0.0	-	0.0	0.0	x	100.0	100.0
100	-	0.0	0.0	-	0.0	0.0	x	89.4	91.0
101	-	0.0	0.0	-	0.0	0.0	x	63.6	61.0
102	x	0.0	0.0	-	0.0	0.0	-	1.0	0.0
103	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
104	-	0.0	0.0	x	0.0	0.0	-	0.0	0.0
105	-	0.0	0.0	-	0.0	0.0	x	0.0	0.0
106	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
107	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
108	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
109	-	0.0	0.0	x	0.0	0.0	-	0.0	0.0
110	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0

TABLE 3: (continued)
TABLA 3: (continuación)

	1999			2000			2001		
	Sets on dolphins			Sets on dolphins			Sets on dolphins		
	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch	DML? x = yes - = no	% total sets	% total retained catch
	Lances sobre delfines			Lances sobre delfines			Lances sobre delfines		
	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total	LMD? x = sí - = no	% lances totales	% captura retenida total
111	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
112	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
113	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
114	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
115	-	0.0	0.0	x	0.0	0.0	-	0.0	0.0
116	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
117	x	0.0	0.0	x	0.0	0.0	-	0.0	0.0
118	-	0.0	0.0	x	0.0	0.0	x	0.0	0.0
119	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
120	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
121	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
122	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
123	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
124	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
125	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
126	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
127	-	0.0	0.0	-	0.0	0.0	x	0.0	0.0
128	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
129	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
130	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
131	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
132	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
133	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
134	x	0.0	0.0	-	0.0	0.0	-	0.0	0.0
135	-	0.0	0.0	x	0.0	0.0	-	0.0	0.0