IOTC Technical Committee on Allocation Criteria, Nairobi, 16-18 February 2011.

A comparison of the four quota allocation proposals submitted to IOTC.

Submitted by UK(BIOT).

In this brief paper we provide a comparison of some of the features and criteria of the four proposals submitted to the IOTC Technical Committee on allocation Criteria, Nairobi, 16-18 February 2011 (Table 1). We also calculate the baseline nominal catch proportion against a range of different scenarios that compare the EU/Iranian criteria with those of Seychelles for a number of different historical reference periods.

Proposals were submitted by Indonesia (A), Seychelles (B), EU (C) and Iran (D). all four proposals make reference to a baseline (proportion or catch) upon which to base the quota allocation, but the proposals differ with regard to how the baseline is calculated and also how the baseline is modified to reflect other criteria important to each of the CPCs submitting the proposals. The proposals of Indonesia and Iran provide principles against which allocation should occur but they do not define how those principles will be implemented (i.e. control rules), but Iran does indicate the weighting to be attributed to each of the principles. Both of these proposals will require considerable debate to derive working rules for setting quota against the different principles. By contrast the EU and in particular, the Seychelles proposals provide control rules that define how the quota will be allocated.

All the proposals submitted refer to a baseline nominal catch (proportion) that is used to set the basis of the quota system – this is the critical initial evaluation that determines the quota allocation to each CPC. After calculation of the baseline proportion, the actual quota allocated may be modified according to a range of criteria (e.g. a reduction in allocation for non compliance, for example; adjustments for level of membership of IOTC, and so on). These factors differ amongst the proposals submitted.

The EU Proposal (C) indicates that the baseline proportion for allocation will be fixed on historical catches for all eligible participants for the last 10 years. The Iranian proposal (D) recommends the average of each country catch during the past ten years as a base to setting quota for each party. It is not clear that the Iranian proposal intends to use that average as a proportion to set against the total allowable catch derived by the Science Committee through any management procedure. Assuming this is the case, these two proposals therefore use the same baseline proportion.

The Seychelles proposal (B) indicates that a hybrid scheme based on catch per area in the EEZs of coastal states and on historical catch levels by all eligible flag state fishing fleets on the high seas will be applied to set the baseline nominal catch proportion in 2012. It defines control rules and an historical reference period of 1981 to the present, and describes two tables as steps towards calculating the baseline.

The Indonesian proposal (A) refers to geographical area and emphasises coastal states. It also recognises that historical tuna fishing is a basis for setting quotas but is not explicit on how the baseline should be applied. It does refer to a 10 year nominal catch period.

Table 1: A comparison of some of the features and criteria contained in the four quota allocation proposals submitted to IOTC

Allocation system / Criteria	**EU**	**Indonesia**	**Iran**	**Seychelles**
Management procedure to set TAC	Yes	Not specified	Not specified	Yes
Set Aside	Yes, for allocations to coastal states without a quota, minimum quota set.	Not specified	Not specified	Yes, for new entrants
Baseline Allocation criteria	Catch by flag only Set by fixed 10 year time period Quota allocated immediately	Historical data of nominal catch in last 10 years Set for a fixed period 1999-2009	Catch by flag set by fixed 10 year time period.	Hybrid catch in zone, and catch on high seas by flag Set by fixed 30 year time period Quota allocated immediately – does not increase over time matched to fleet development
Adjustment for being an IOTC basin country	Part of the set aside will be redistributed to CPCs including coastal states. To be equivalent to the Seychelles model that set aside would need to be high, e.g. 50% for YFT.	Geographical area central to proposal	Yes, but via an adjustment to the baseline	Yes – this is the basis of the baseline allocation
Adjustments for Membership	Yes	Not specified	Yes	Yes
Adjustments for compliance	Yes	Not specified	Yes	Yes
Adjustments for research etc	Yes	Not specified	Not specified	(Yes as part of a plan for responsible fisheries)
Adjustment based on social aspects	No	Yes related to employment opportunities.	Yes but specific criteria to determine this adjustment not provided	Not explicit, but aims to ensure that coastal states will benefit.
Adjustment for responsible fisheries	(compliance rules)	Reference to fleet characteristics. Environmental concern	Yes – requires a fishing plan to be developed	Requires a fishing plan that links the fleet development plan to the quota allocation, and describes utilisation of quota.
Bonus	Yes, global set aside to those with fleet development plan and also offset compliance with	Not specified	No	Yes

Allocation system / Criteria	EU	Indonesia	Iran	Seychelles
	research			
Utilisation plan	No	Not specified	Fishing plan for responsible fisheries	Yes
Surplus: Transfer/trade	Yes	Not specified	Not specified	Yes
Rules on where quota may be used	Not specified	Not specified	Not specified	Yes – anywhere in IOTC area of competence
Other rules about vessels on IOTC register, responsibilities etc	No	Not specified	Not specified but inferred in responsible fisheries	Yes

Calculation of the Baseline nominal Catch Proportion for yellowfin tuna, bigeye tuna and swordfish for a range of historical reference periods using the EU (and Iranian) and Seychelles baseline criteria.

In this paper we present the results of a number of scenarios that apply the EU/Iranian and Seychelles control rules to generate tables 1 and 2 as described in the Seychelles proposal for a range of historical reference periods (5,10,15, 20 and 28 years). The data sources used for all calculations of catch by area, flag, gear and species were the individual IOTC catch and effort databases for the different gear types following the method described in the Explanatory Note to Seychelles proposal (B). The IOTC catch and effort database reflects the catch and effort submissions received to date for all IOTC CPCs. Any updates to the historical record would require re running all scenarios (e.g. to accommodate the historical record of new CPCs such as Maldives which has not submitted catch and effort data in the past).

We present only the summary of these analyses (Table 2, yellowfin; Table 3 bigeye; Table 4, Swordfish), but an example of the working is provided in Annexes 1-3 for yellowfin tuna which illustrate the cross-tabulation of catch by flag and zone (i.e. Table 1 in Seychelles proposal) (Annex 1). This step is the same for both EU/Iranian and Seychelles criteria. The second step is different and Annex 2 shows the baseline nominal proportion allocated only by flag state (i.e. those flags catching the fish) which is the EU/Iranian criteria. Annex 3 applies the Seychelles criteria and catches are allocated to the EEZ in which they were caught (column B) and on the high seas by Flag (column D). the baseline nominal proportion is the sum of columns B and D. These sets of tables were generated for each of the three species for each of the 5 scenarios and have been summarised in Table 2, yellowfin; Table 3 bigeye; and Table 4, Swordfish. The data are also illustrated graphically for each IOTC CPC.

The conclusions to be drawn from this analysis will differ according to the CPC concerned.

Table 2: Yellowfin: The baseline nominal catch proportion for each IOTC CPC for historical reference periods of 5, 10, 15, 20 and 28 years comparing the application of the EU/Iranian criteria and the Seychelles allocation criteria.

		5		10		15		20		28	
	Country	EU	Seychelles	EU	Seychelles	EU	Seychelles	EU	Seychelles	EU	Seychelles
Coastal State within IOTC area of competence	AUSTRALIA	0.000%	0.012%	0.068%	0.105%	0.053%	0.116%	0.042%	0.119%	0.036%	0.272%
	COMOROS	0.000%	0.980%	0.000%	1.428%	0.000%	1.262%	0.000%	1.101%	0.000%	0.989%
	ERITREA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	FRANCE (Territories)	24.053%	9.645%	24.953%	10.696%	25.001%	11.533%	26.377%	12.240%	29.444%	14.851%
	INDIA	0.002%	2.225%	0.001%	1.776%	0.087%	1.576%	0.068%	1.637%	0.059%	1.733%
	INDONESIA	0.000%	0.019%	0.000%	0.032%	0.000%	0.069%	0.000%	0.091%	0.000%	0.186%
	IRAN	0.000%	0.151%	0.000%	0.147%	0.000%	0.365%	0.000%	0.392%	0.000%	0.338%
	KENYA	0.000%	0.547%	0.000%	0.623%	0.000%	0.678%	0.000%	0.540%	0.000%	0.493%
	MADAGASCAR	0.000%	1.838%	0.000%	2.277%	0.000%	2.690%	0.000%	2.508%	0.000%	2.442%
	MALAYSIA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	MAURITIUS	0.007%	1.334%	0.047%	1.899%	0.232%	1.885%	0.432%	2.233%	0.375%	2.246%
	OMAN	0.000%	3.992%	0.000%	3.008%	0.000%	3.384%	0.000%	3.737%	0.000%	3.225%
	PAKISTAN	0.000%	1.533%	0.000%	1.075%	0.000%	1.081%	0.000%	1.348%	0.000%	1.176%
	SEYCHELLES	16.928%	32.694%	14.278%	29.637%	10.812%	26.253%	8.490%	24.962%	7.333%	24.254%
	SRI LANKA	0.000%	0.083%	0.000%	0.138%	0.000%	0.135%	0.000%	0.141%	0.000%	0.161%
	TANZANIA	0.000%	4.944%	0.000%	4.511%	0.000%	3.405%	0.000%	2.685%	0.000%	2.326%
	THAILAND	0.266%	0.258%	0.149%	0.144%	0.108%	0.105%	0.085%	0.082%	0.073%	0.071%
	UK (Territories)	0.000%	5.862%	0.000%	4.145%	0.000%	4.310%	0.000%	4.125%	0.000%	3.675%
	MALDIVES	0.000%	0.489%	0.000%	0.582%	0.000%	0.635%	0.000%	0.576%	0.000%	0.596%
	SOUTH AFRICA	0.021%	0.147%	0.046%	0.193%	0.034%	0.228%	0.027%	0.223%	0.023%	0.225%
	BANGLADESH	0.000%	0.006%	0.000%	0.003%	0.000%	0.003%	0.000%	0.002%	0.000%	0.002%
	MOZAMBIQUE	0.000%	2.232%	0.000%	2.010%	0.000%	2.143%	0.000%	1.844%	0.000%	1.636%
	MYANMAR	0.000%	0.005%	0.000%	0.025%	0.000%	0.028%	0.000%	0.025%	0.000%	0.023%
	SOMALIA	0.000%	2.024%	0.000%	3.543%	0.000%	3.636%	0.000%	3.284%	0.000%	3.311%
	YEMEN	0.000%	0.320%	0.000%	0.446%	0.000%	0.354%	0.000%	0.360%	0.000%	0.332%
Distant Water fishing Nation	BELIZE	0.050%	0.027%	0.028%	0.015%	0.020%	0.011%	0.016%	0.009%	0.014%	0.008%
	CHINA	1.488%	0.931%	1.370%	0.869%	0.997%	0.632%	0.783%	0.496%	0.675%	0.428%
	TAIWAN.CHINA	14.549%	5.307%	14.874%	6.563%	16.490%	7.670%	18.813%	9.269%	18.281%	9.413%
	EUROPEAN UNION	32.008%	18.677%	33.970%	20.067%	35.794%	20.983%	35.102%	20.986%	33.689%	20.226%
	GUINEA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	JAPAN	9.268%	3.022%	9.146%	3.481%	9.259%	4.254%	8.891%	4.534%	9.244%	4.973%
	KOREA	0.488%	0.144%	0.439%	0.168%	0.631%	0.272%	0.496%	0.214%	0.428%	0.184%
	PHILIPPINES	0.871%	0.550%	0.632%	0.395%	0.482%	0.302%	0.379%	0.237%	0.327%	0.205%
	SIERRA LEONE	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	SUDAN	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	VANUATU	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	SENEGAL	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	URGUAY	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	TOTAL	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%

Table 3 Bigeye: The baseline nominal catch proportion for each IOTC CPC for historical reference periods of 5, 10, 15, 20 and 28 years comparing the application of the EU/Iranian criteria and the Seychelles allocation criteria.

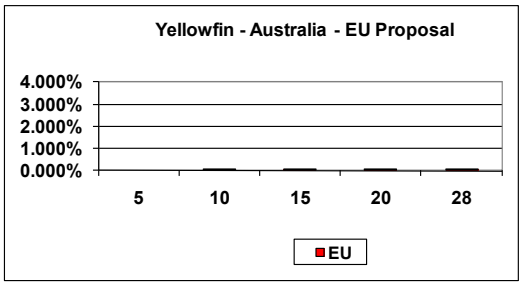
		5		10		15		20		28	
	Country	EU	Seychelles	EU	Seychelles	EU	Seychelles	EU	Seychelles	EU	Seychelles
Coastal State within IOTC area of competence	AUSTRALIA	0.000%	0.329%	0.130%	0.635%	0.102%	0.692%	0.011%	0.766%	0.074%	1.278%
	COMOROS	0.000%	0.734%	0.000%	0.757%	0.000%	0.679%	0.000%	0.591%	0.000%	0.528%
	ERITREA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	FRANCE (Territories)	7.369%	4.201%	7.478%	4.643%	7.936%	5.073%	3.059%	5.076%	8.456%	5.499%
	INDIA	0.000%	0.688%	0.000%	0.721%	0.001%	0.636%	0.053%	0.596%	0.001%	0.658%
	INDONESIA	0.000%	0.168%	0.000%	0.245%	0.000%	0.336%	0.000%	0.501%	0.000%	1.048%
	IRAN	0.000%	0.009%	0.000%	0.006%	0.000%	0.028%	0.000%	0.025%	0.000%	0.021%
	KENYA	0.000%	0.899%	0.000%	0.645%	0.000%	0.558%	1.279%	0.464%	0.000%	0.403%
	MADAGASCAR	0.000%	1.308%	0.000%	1.824%	0.000%	2.161%	0.000%	2.065%	0.000%	1.836%
	MALAYSIA	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%	0.000%	0.001%	0.000%	0.001%
	MAURITIUS	0.022%	2.226%	0.039%	2.070%	0.098%	1.830%	0.208%	1.858%	0.277%	1.639%
	OMAN	0.000%	0.134%	0.000%	0.116%	0.000%	0.161%	0.000%	0.228%	0.000%	0.197%
	PAKISTAN	0.000%	0.044%	0.000%	0.022%	0.000%	0.043%	0.000%	0.041%	0.000%	0.035%
	SEYCHELLES	10.863%	21.228%	7.248%	15.830%	5.268%	13.793%	2.213%	12.814%	3.738%	11.612%
	SRI LANKA	0.000%	0.551%	0.000%	0.613%	0.000%	0.540%	0.000%	0.530%	0.000%	0.628%
	TANZANIA	0.000%	1.981%	0.000%	1.556%	0.000%	1.197%	0.000%	0.991%	0.000%	0.872%
	THAILAND	0.990%	0.965%	0.479%	0.466%	0.332%	0.324%	0.213%	0.267%	0.235%	0.229%
	UK (Territories)	0.000%	2.551%	0.000%	2.349%	0.000%	2.370%	0.000%	2.554%	0.000%	2.393%
	MALDIVES	0.000%	2.327%	0.000%	2.681%	0.000%	2.326%	0.000%	2.247%	0.000%	2.274%
	SOUTH AFRICA	0.055%	0.198%	0.067%	0.469%	0.046%	0.656%	0.020%	0.692%	0.033%	0.669%
	BANGLADESH	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.750%	0.000%	0.000%	0.000%
	MOZAMBIQUE	0.000%	0.844%	0.000%	1.000%	0.000%	1.174%	10.338%	1.066%	0.000%	0.936%
	MYANMAR	0.000%	0.000%	0.000%	0.002%	0.000%	0.002%	3.474%	0.002%	0.000%	0.002%
	SOMALIA	0.000%	2.795%	0.000%	2.995%	0.000%	3.015%	0.000%	2.836%	0.000%	2.695%
	YEMEN	0.000%	0.428%	0.000%	0.424%	0.000%	0.365%	3.423%	0.408%	0.000%	0.395%
Distant Water fishing Nation	BELIZE	0.094%	0.053%	0.045%	0.026%	0.032%	0.018%	0.573%	0.015%	0.022%	0.013%
	CHINA	8.467%	6.238%	5.812%	4.173%	4.036%	2.898%	2.122%	2.391%	2.853%	2.049%
	TAIWAN.CHINA	41.624%	29.154%	49.033%	35.423%	48.104%	35.246%	30.406%	38.067%	49.476%	37.334%
	EUROPEAN UNION	12.400%	8.589%	12.376%	8.372%	13.196%	8.645%	6.606%	8.270%	11.711%	7.692%
	GUINEA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	JAPAN	15.599%	9.749%	15.135%	10.511%	17.449%	13.007%	10.224%	12.800%	20.721%	15.492%
	KOREA	0.696%	0.360%	0.783%	0.475%	2.335%	1.483%	0.978%	1.224%	1.651%	1.048%
	PHILIPPINES	1.819%	1.248%	1.375%	0.951%	1.064%	0.743%	24.049%	0.613%	0.753%	0.525%
	SIERRA LEONE	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	SUDAN	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	VANUATU	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	SENEGAL	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	URGUAY	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	TOTAL	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%

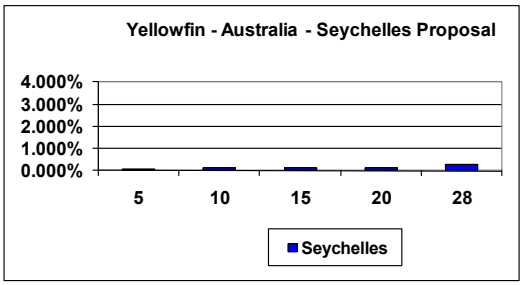
Table 4: Swordfish: The baseline nominal catch proportion for each IOTC CPC for historical reference periods of 5, 10, 15, 20 and 28 years comparing the application of the EU/Iranian criteria and the Seychelles allocation criteria.

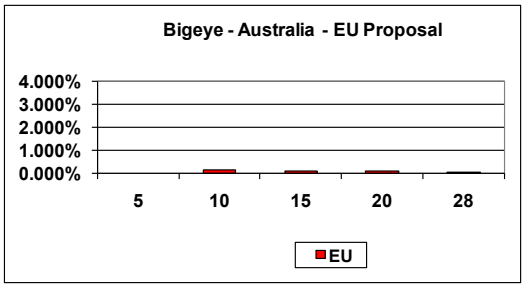
		5		10		15		20		28	
	Country	EU	Seychelles	EU	Seychelles	EU	Seychelles	EU	Seychelles	EU	Seychelles
Coastal State within IOTC area of competence	AUSTRALIA	0.000%	0.212%	2.923%	3.135%	2.021%	2.425%	1.623%	2.072%	1.503%	2.247%
	COMOROS	0.000%	0.636%	0.000%	0.504%	0.000%	0.444%	0.000%	0.356%	0.000%	0.334%
	ERITREA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	FRANCE (Territories)	0.000%	2.290%	0.000%	2.179%	0.000%	2.430%	0.000%	2.255%	0.000%	2.159%
	INDIA	0.001%	1.778%	0.001%	2.069%	0.205%	2.247%	0.164%	2.031%	0.152%	2.264%
	INDONESIA	0.000%	0.274%	0.000%	0.174%	0.000%	0.180%	0.000%	0.301%	0.000%	0.447%
	IRAN	0.000%	0.011%	0.000%	0.006%	0.000%	0.012%	0.000%	0.013%	0.000%	0.012%
	KENYA	0.000%	1.216%	0.000%	0.667%	0.000%	0.479%	0.000%	0.384%	0.000%	0.358%
	MADAGASCAR	0.000%	4.596%	0.000%	4.346%	0.000%	6.239%	0.000%	6.017%	0.000%	5.629%
	MALAYSIA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.001%	0.000%	0.001%
	MAURITIUS	2.684%	4.681%	1.511%	3.531%	0.999%	2.688%	0.800%	2.236%	0.741%	2.111%
	OMAN	0.000%	0.595%	0.000%	0.341%	0.000%	0.409%	0.000%	0.391%	0.000%	0.364%
	PAKISTAN	0.000%	0.074%	0.000%	0.044%	0.000%	0.057%	0.000%	0.059%	0.000%	0.055%
	SEYCHELLES	5.196%	9.584%	2.718%	6.959%	1.797%	6.123%	1.439%	5.219%	1.333%	4.890%
	SRI LANKA	0.000%	0.289%	0.000%	0.393%	0.000%	0.344%	0.000%	0.338%	0.000%	0.394%
	TANZANIA	0.000%	1.158%	0.000%	0.853%	0.000%	0.787%	0.000%	0.633%	0.000%	0.595%
	THAILAND	0.011%	0.009%	0.005%	0.004%	0.003%	0.003%	0.003%	0.002%	0.002%	0.003%
	UK (Territories)	0.000%	0.805%	0.000%	1.262%	0.000%	1.295%	0.000%	1.305%	0.000%	1.300%
	MALDIVES	0.000%	1.284%	0.000%	1.760%	0.000%	1.455%	0.000%	1.311%	0.000%	1.383%
	SOUTH AFRICA	0.554%	3.370%	0.967%	2.778%	0.640%	2.467%	0.513%	3.988%	0.475%	3.836%
	BANGLADESH	0.000%	0.031%	0.000%	0.014%	0.000%	0.010%	0.000%	0.008%	0.000%	0.008%
	MOZAMBIQUE	0.000%	2.026%	0.000%	2.305%	0.000%	2.658%	0.000%	3.323%	0.000%	3.123%
	MYANMAR	0.000%	0.023%	0.000%	0.046%	0.000%	0.072%	0.000%	0.060%	0.000%	0.061%
	SOMALIA	0.000%	3.335%	0.000%	2.330%	0.000%	2.936%	0.000%	2.709%	0.000%	2.624%
	YEMEN	0.000%	0.354%	0.000%	0.353%	0.000%	0.347%	0.000%	0.393%	0.000%	0.396%
Distant Water fishing Nation	BELIZE	0.277%	0.131%	0.128%	0.061%	0.084%	0.040%	0.068%	0.032%	0.063%	0.030%
	CHINA	3.935%	2.792%	3.024%	2.009%	1.999%	1.328%	1.601%	1.064%	1.483%	0.985%
	TAIWAN.CHINA	35.002%	23.726%	52.221%	36.528%	62.472%	41.994%	68.286%	46.064%	67.123%	45.698%
	EUROPEAN UNION	38.966%	27.528%	25.755%	19.124%	17.903%	13.161%	14.411%	10.572%	13.346%	9.790%
	GUINEA	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	JAPAN	11.239%	5.939%	9.054%	5.194%	9.578%	5.930%	9.249%	5.709%	12.073%	7.837%
	KOREA	0.897%	0.367%	0.725%	0.350%	1.575%	0.927%	1.262%	0.742%	1.169%	0.688%
	PHILIPPINES	1.123%	0.771%	0.915%	0.628%	0.689%	0.477%	0.552%	0.382%	0.511%	0.354%
	SIERRA LEONE	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	SUDAN	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	VANUATU	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	SENEGAL	0.115%	0.115%	0.053%	0.053%	0.035%	0.035%	0.028%	0.028%	0.026%	0.026%
	URGUAY	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
	TOTAL	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%

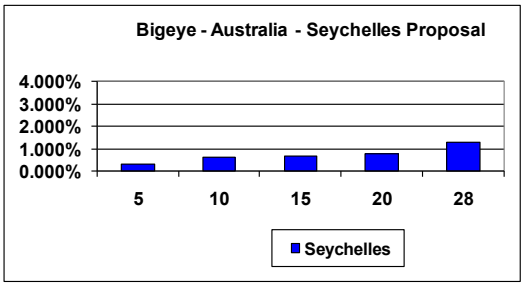
Australia :

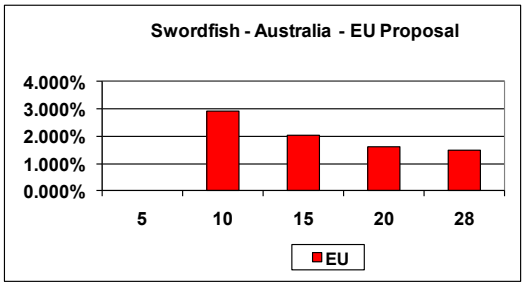
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

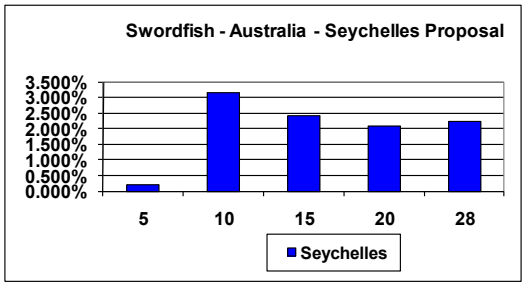






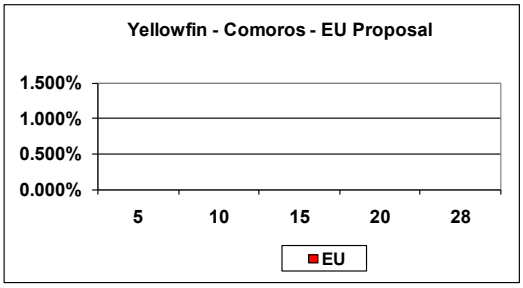


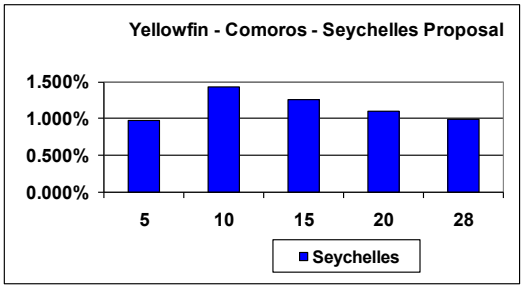


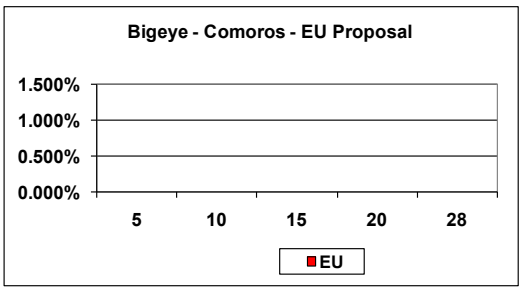


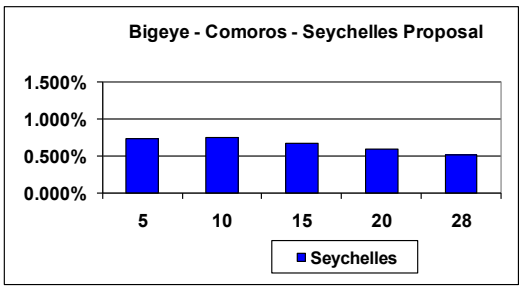
Comoros :

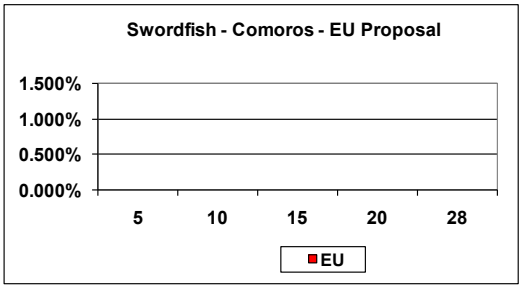
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

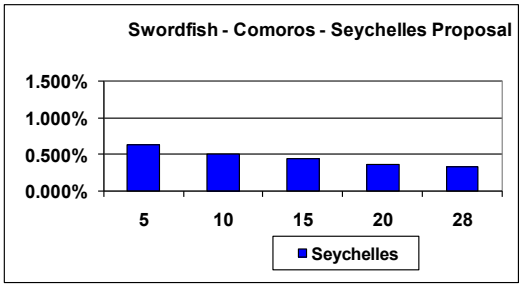






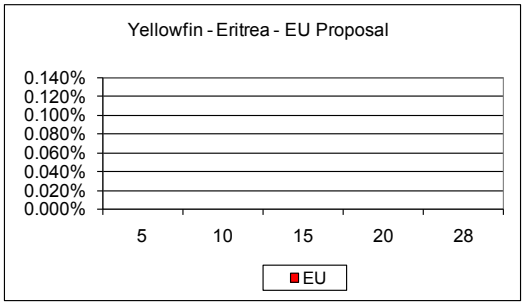


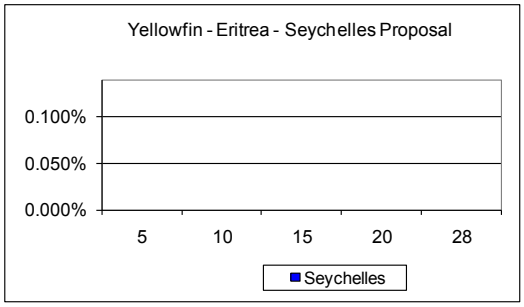


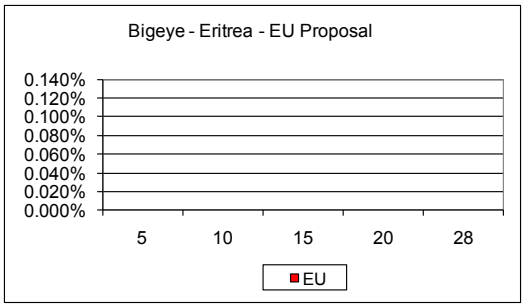


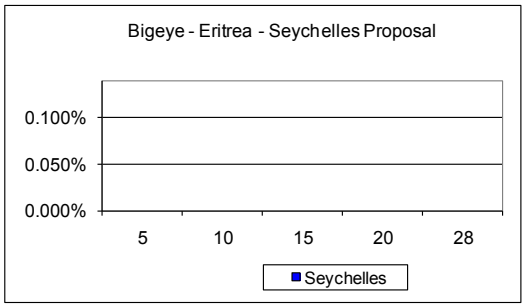
Eritrea :

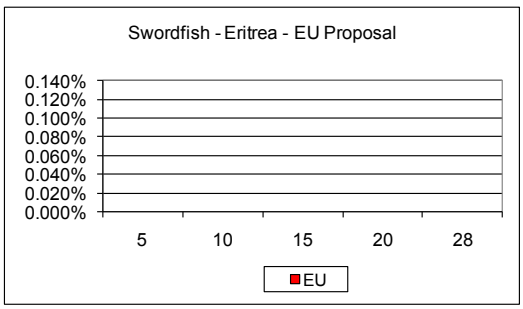
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

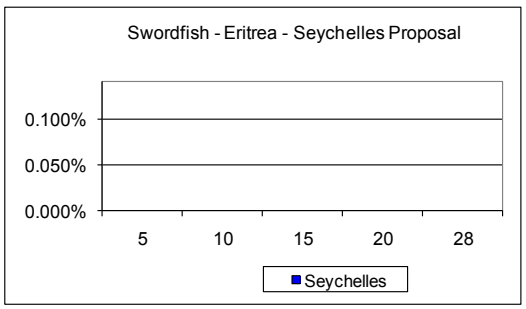






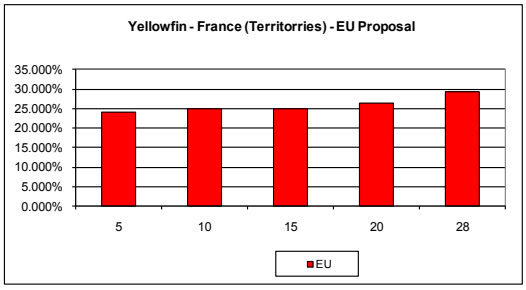


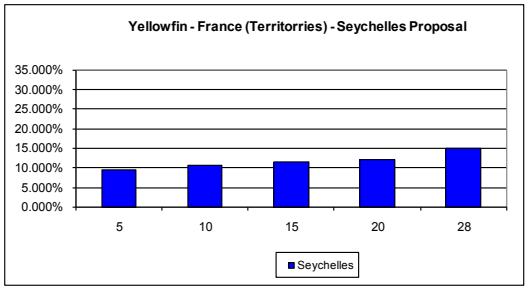


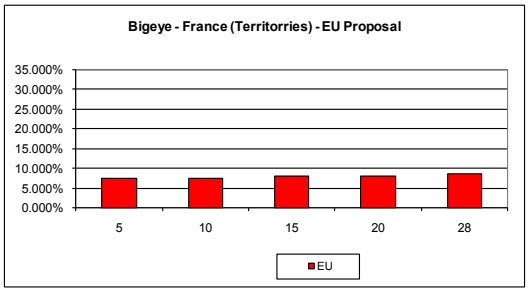


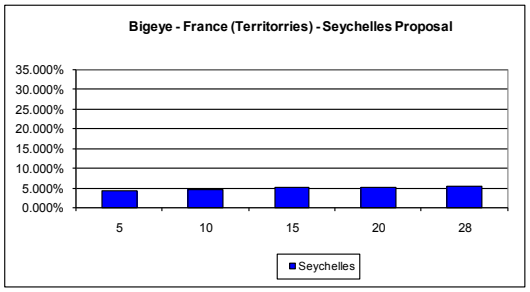
France (Territories) :

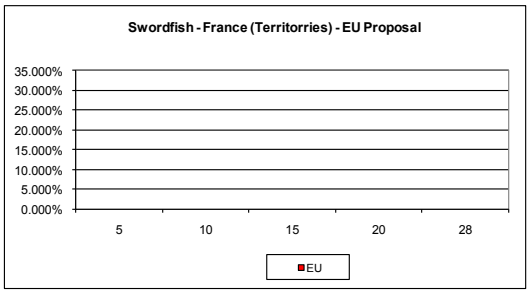
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

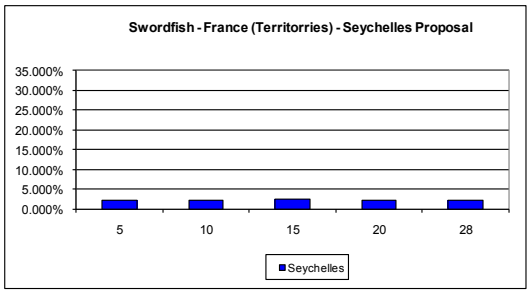






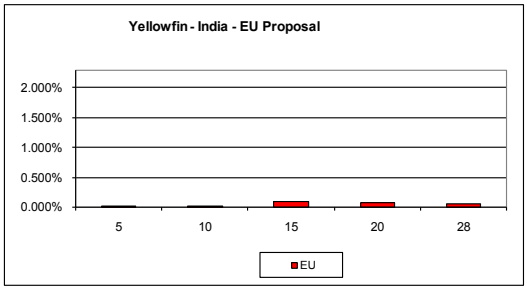


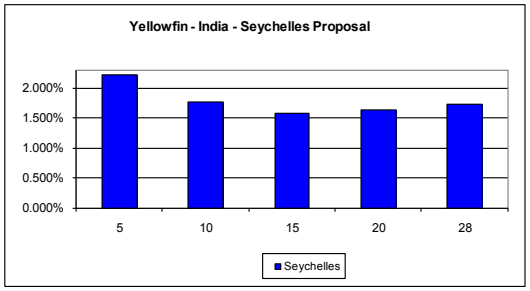


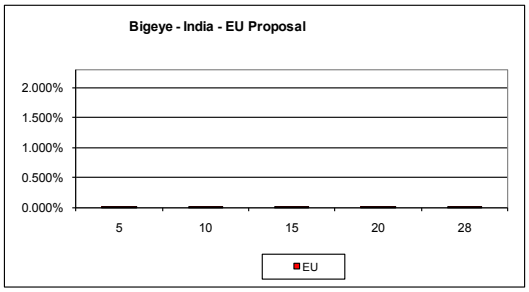


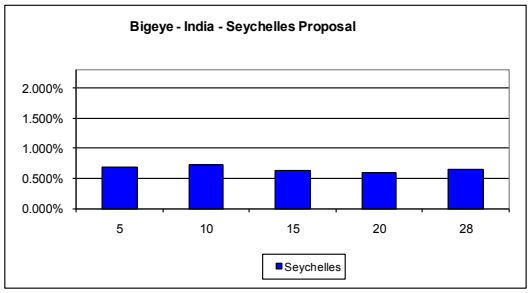
India :

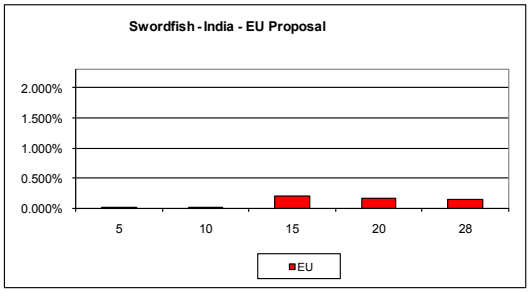
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

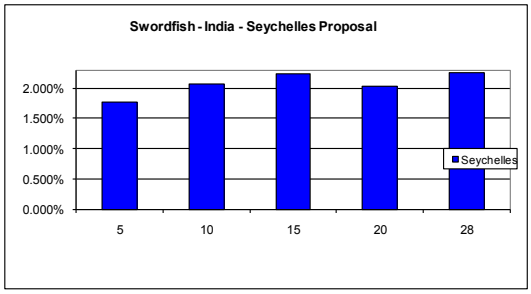






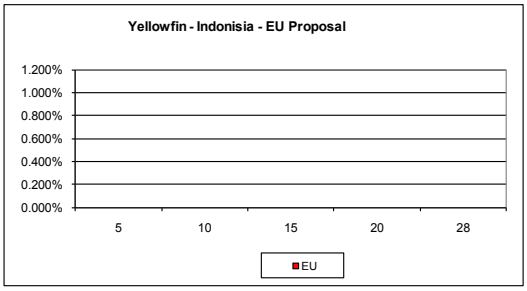


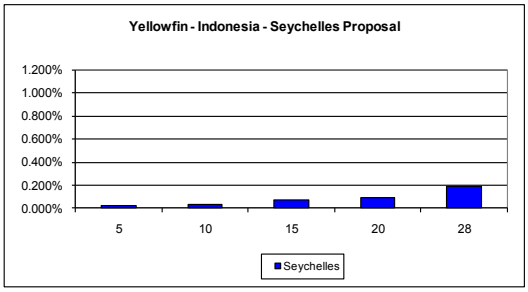


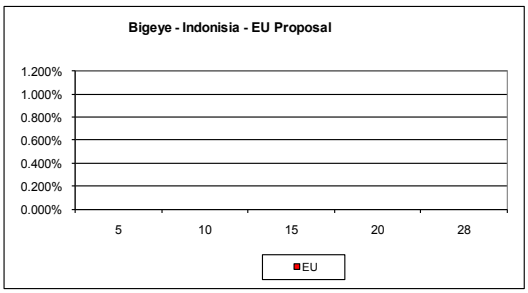


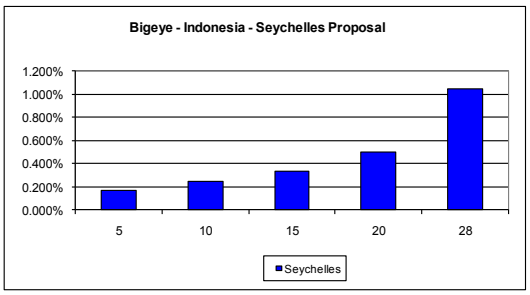
Indonesia :

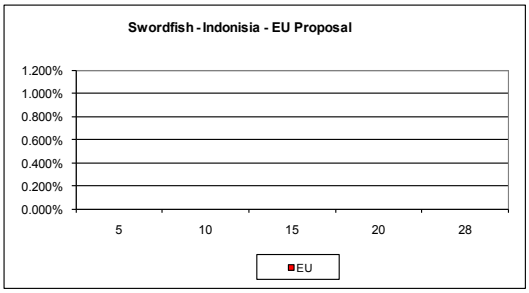
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

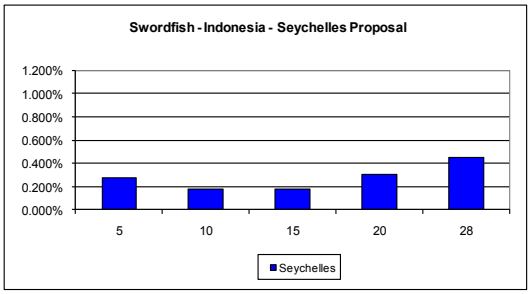






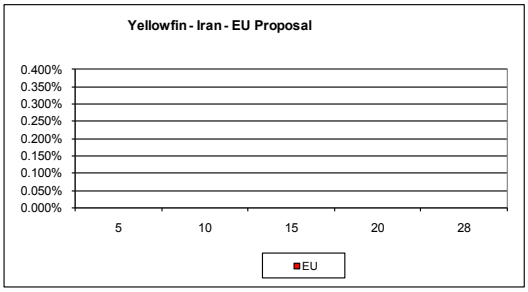


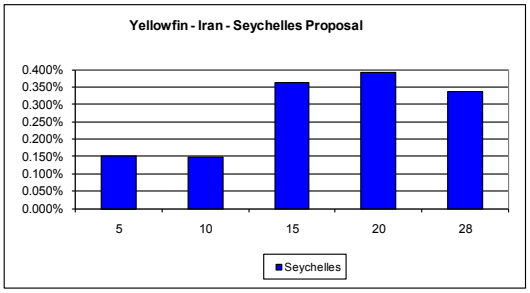


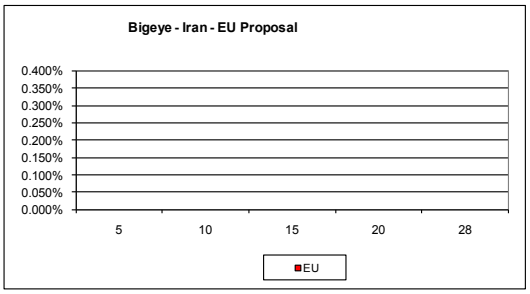


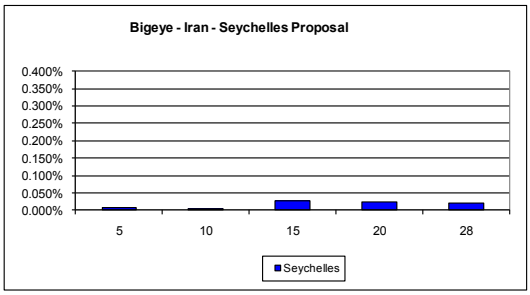
Iran :

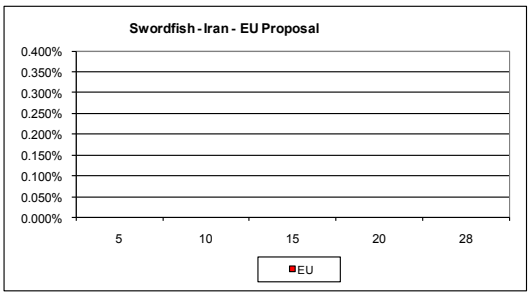
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

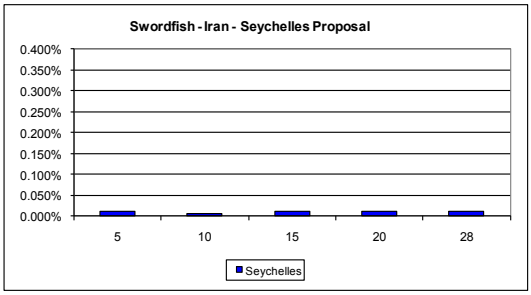






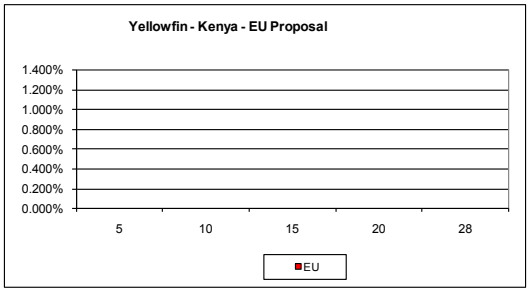


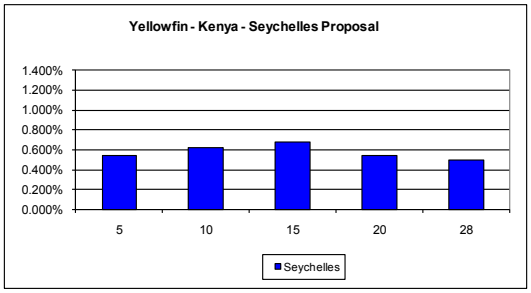


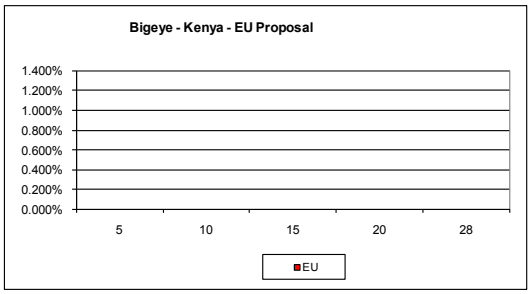


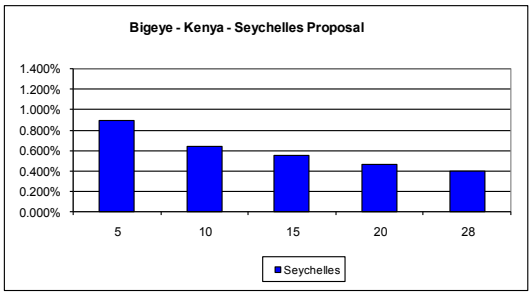
Kenya :

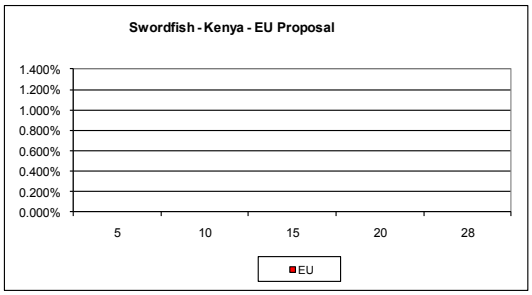
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

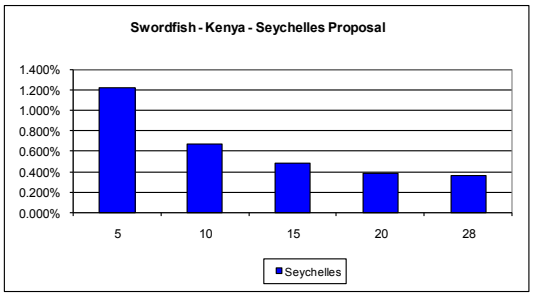






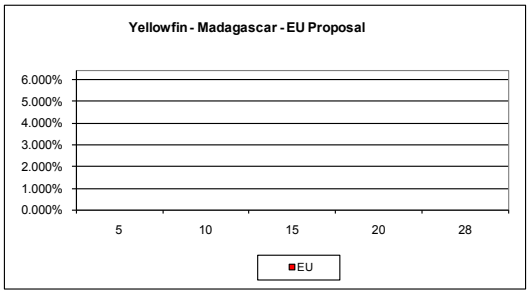


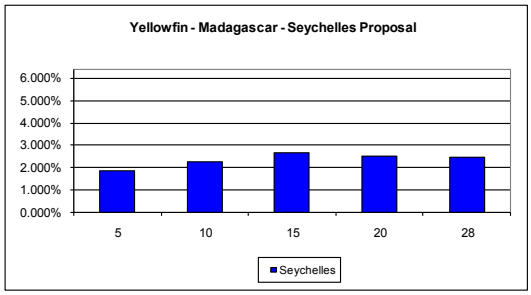


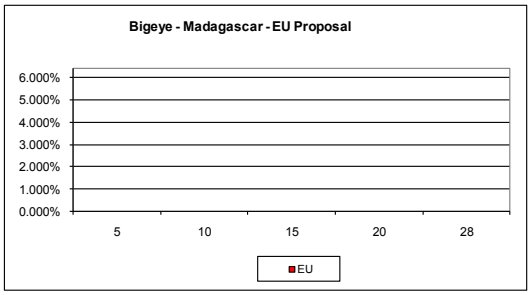


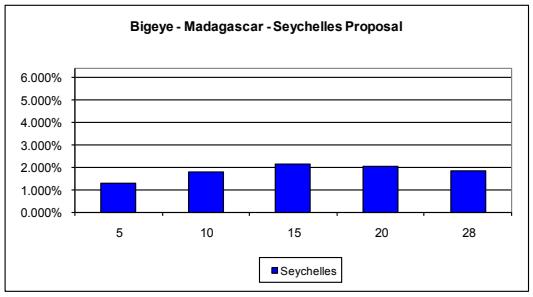
Madagascar :

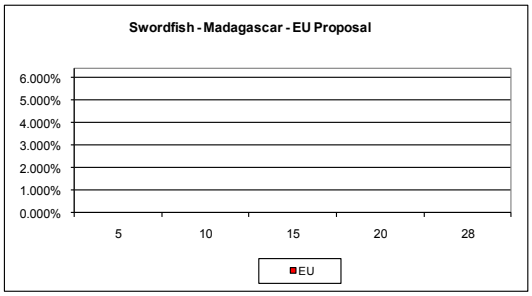
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

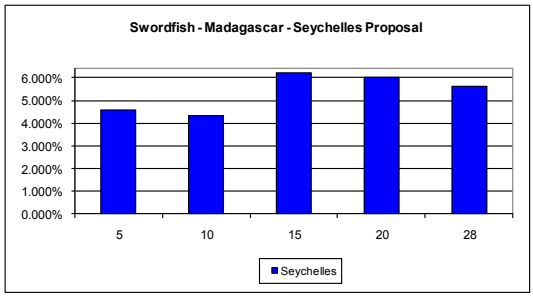






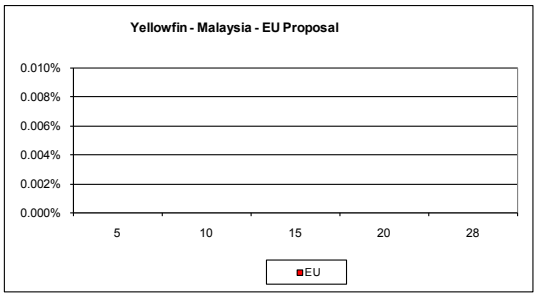


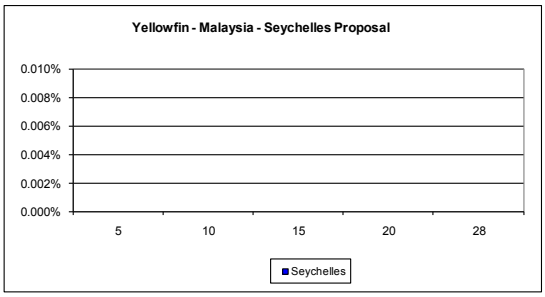


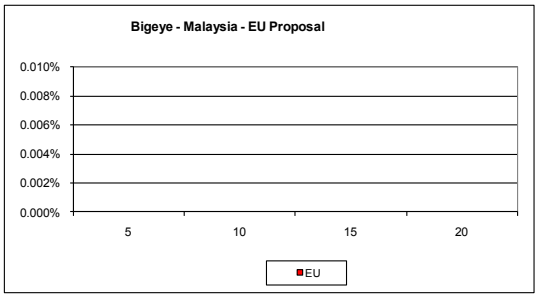


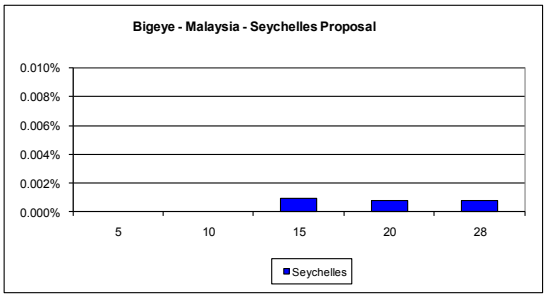
Malaysia :

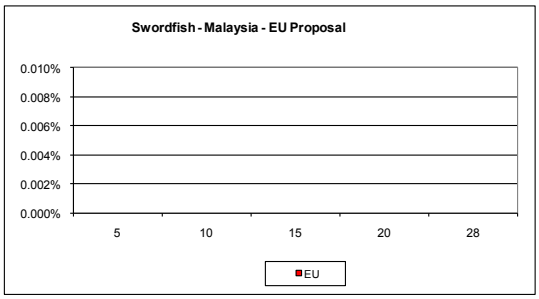
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

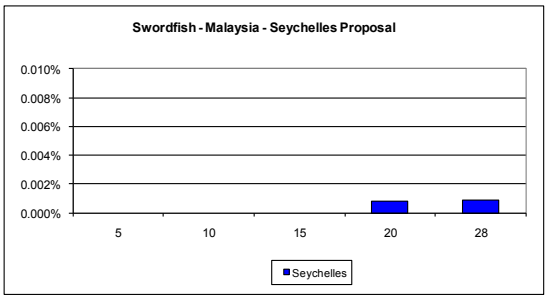






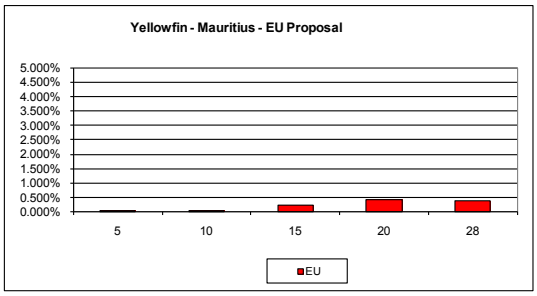


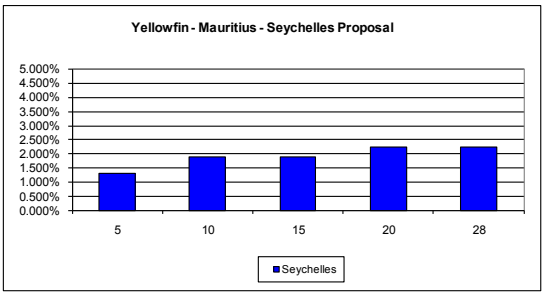


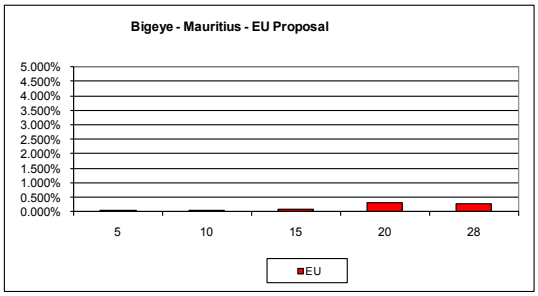


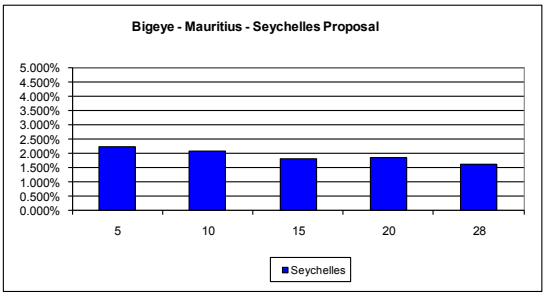
Mauritius :

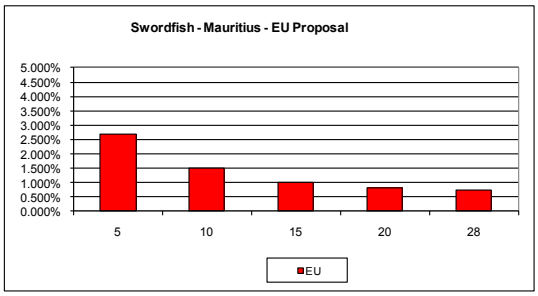
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

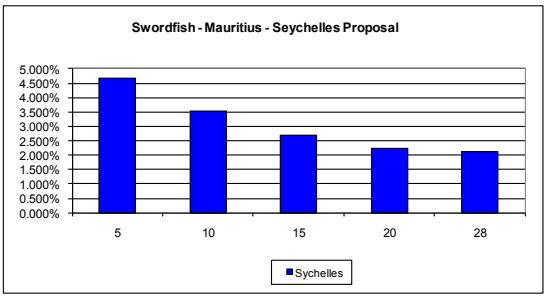






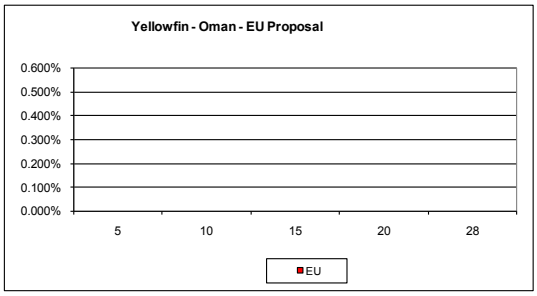


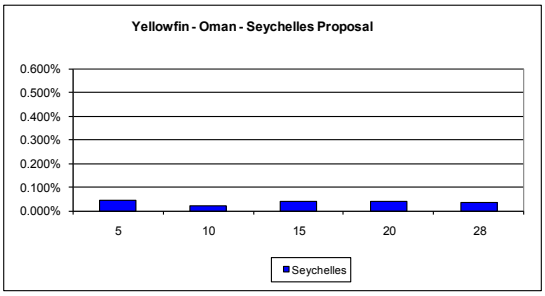


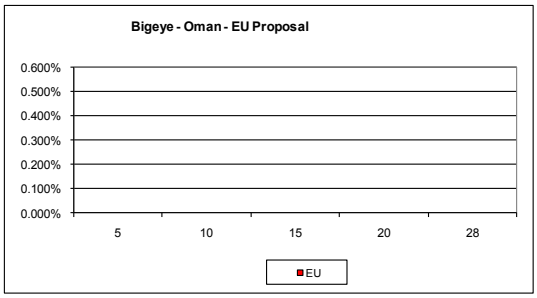


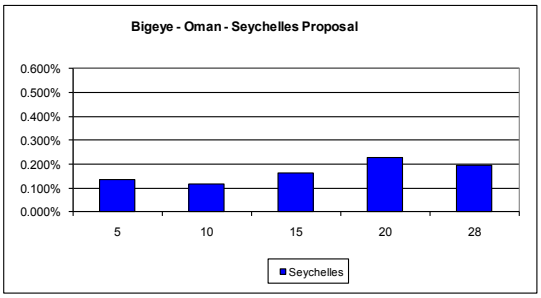
Oman :

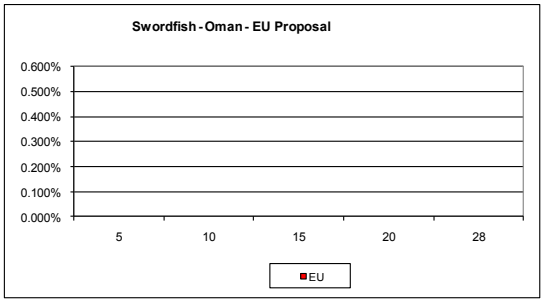
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

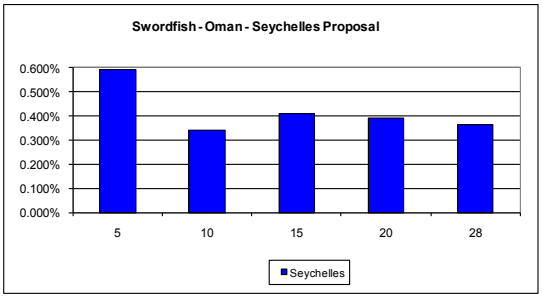






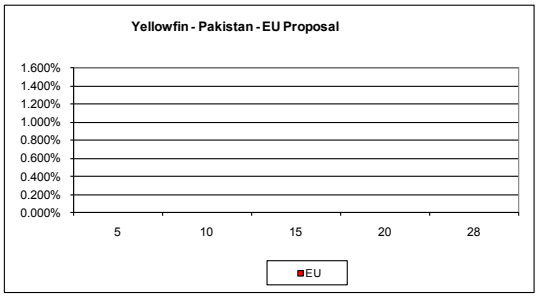


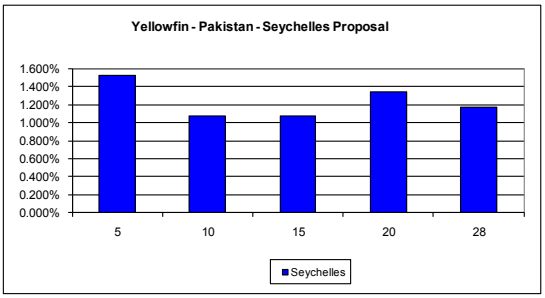


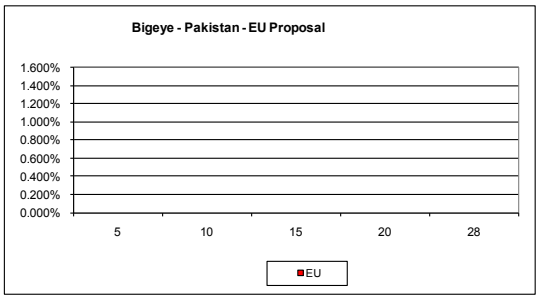


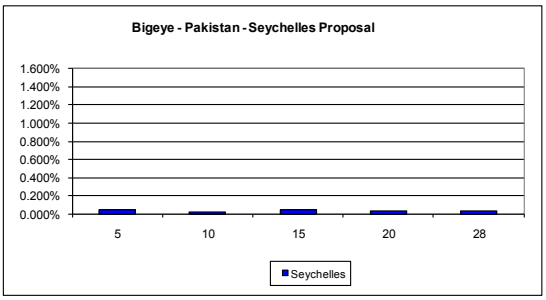
Pakistan :

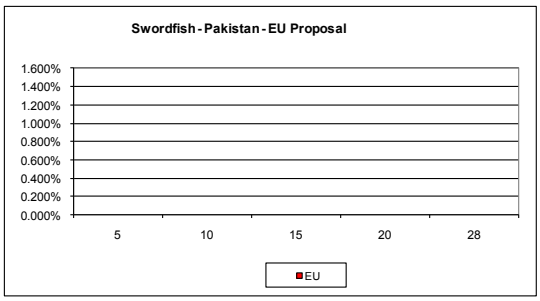
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

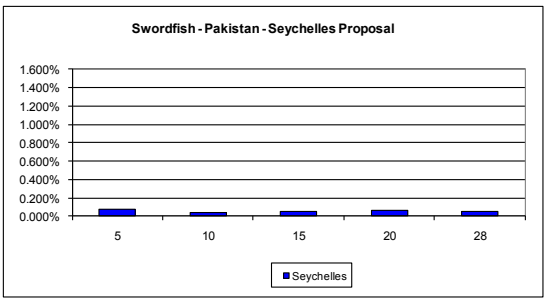






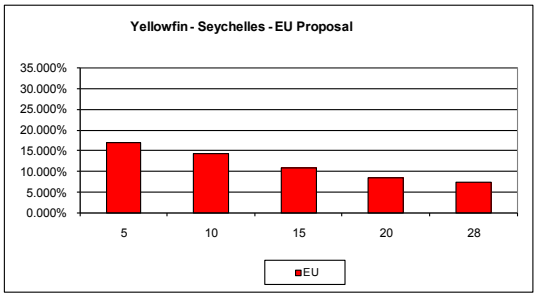


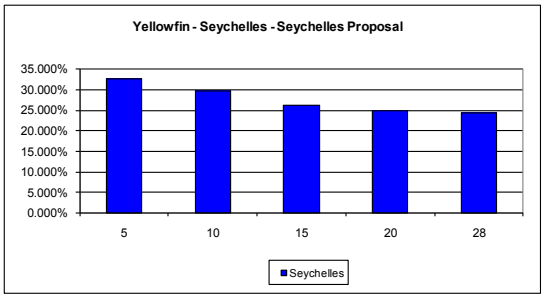


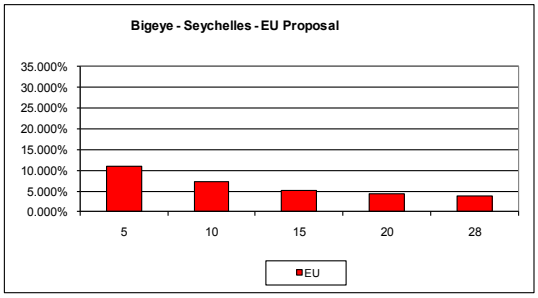


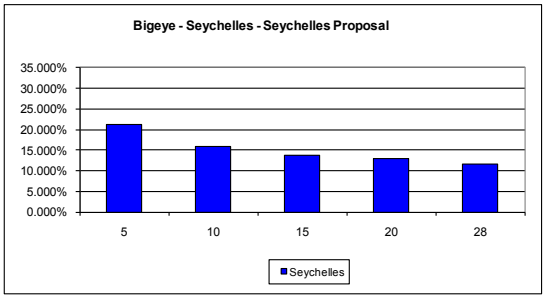
Seychelles :

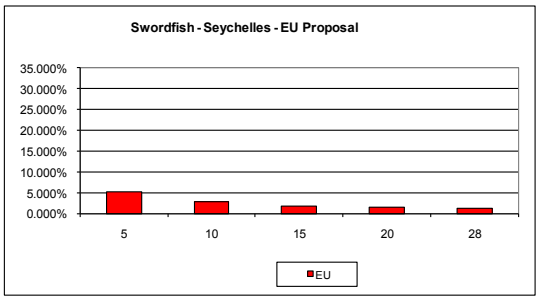
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

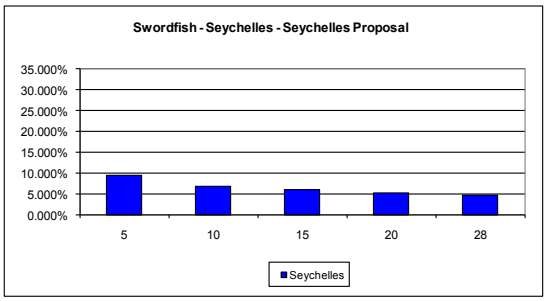






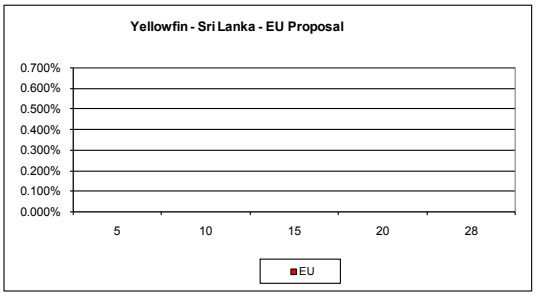


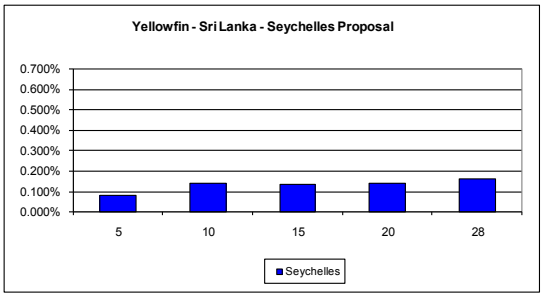


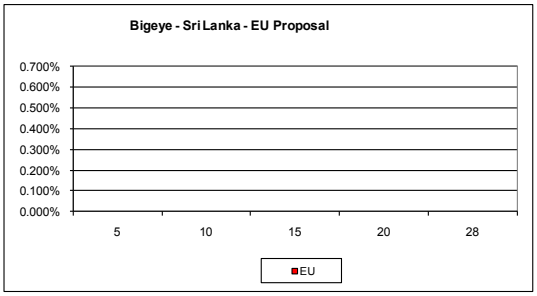


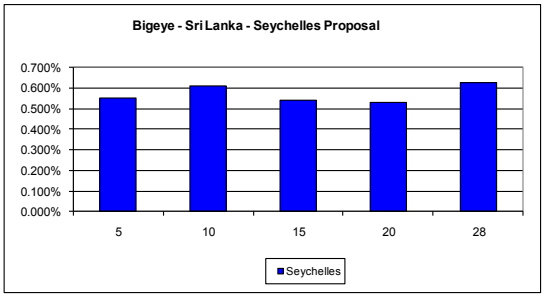
Sri Lanka :

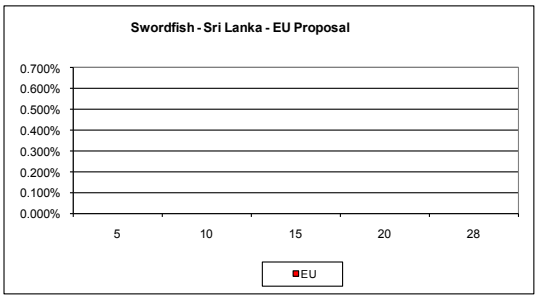
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

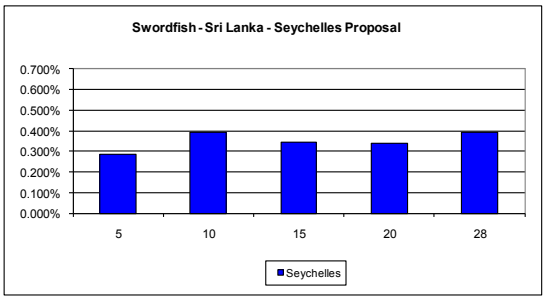






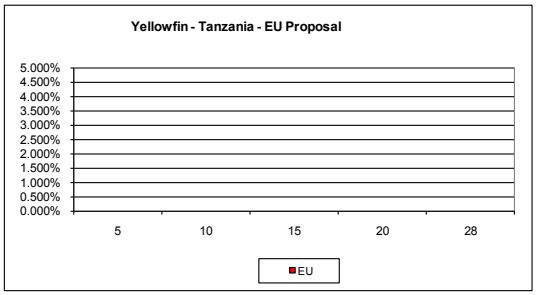


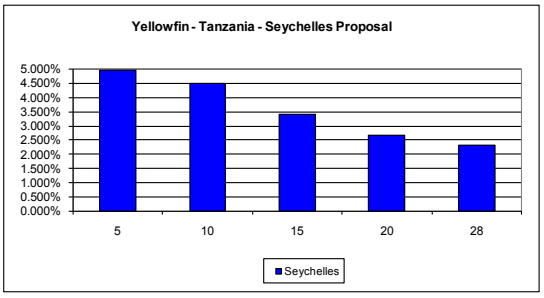


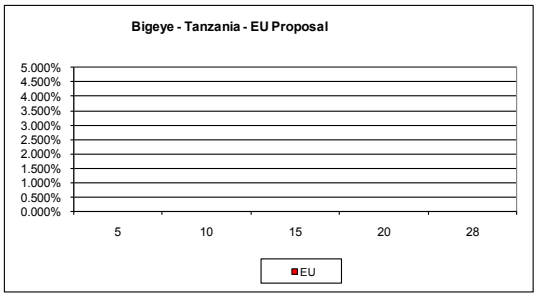


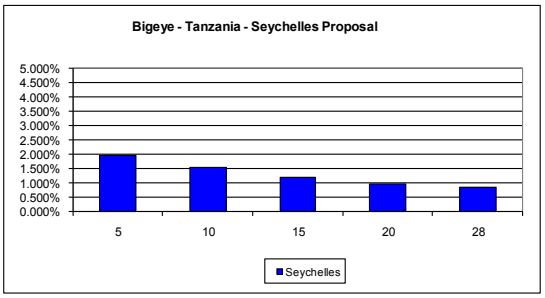
Tanzania :

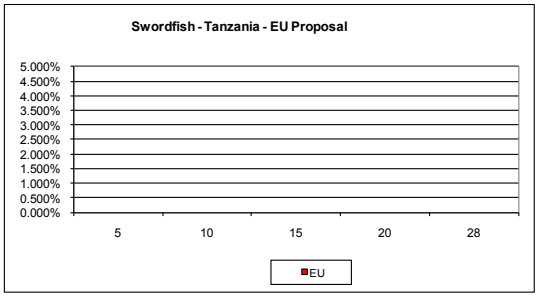
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

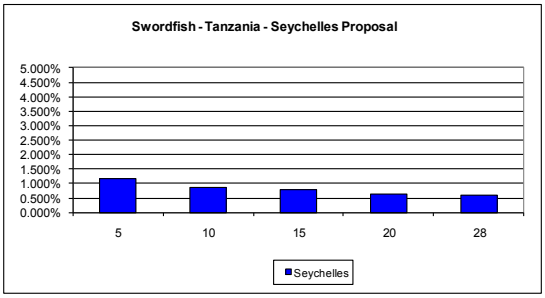






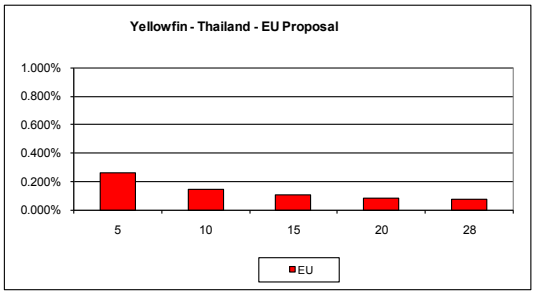


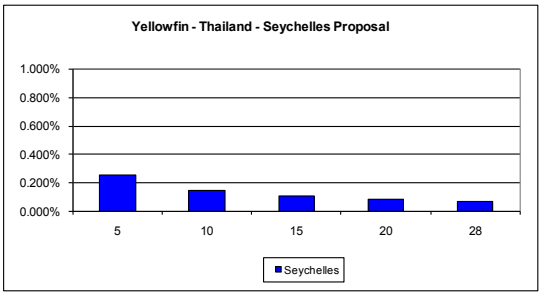


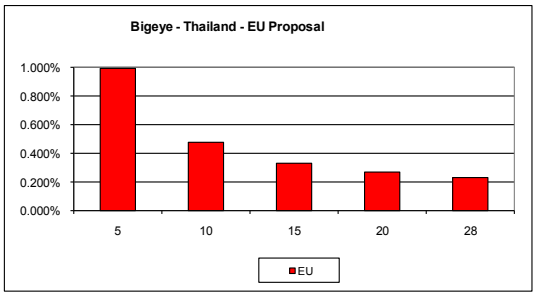


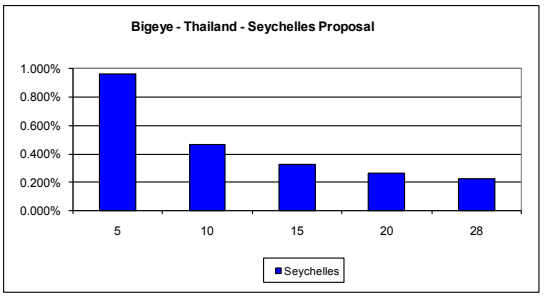
Thailand :

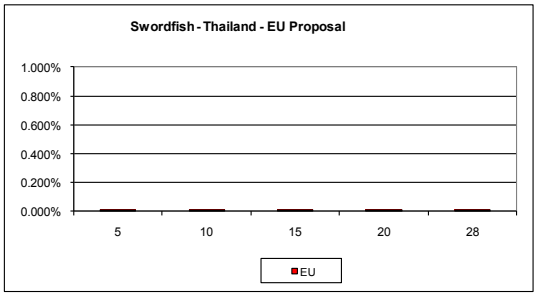
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

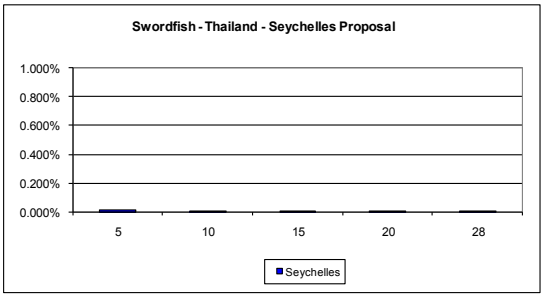






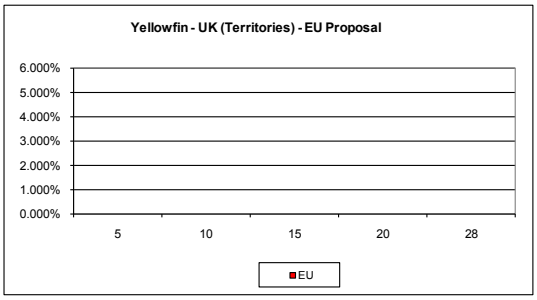


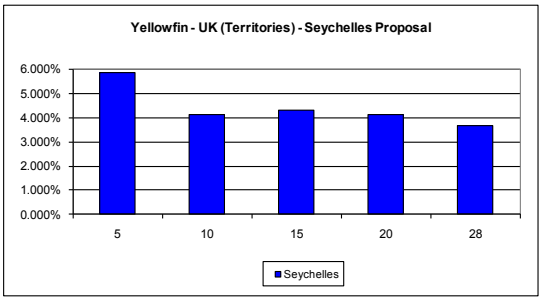


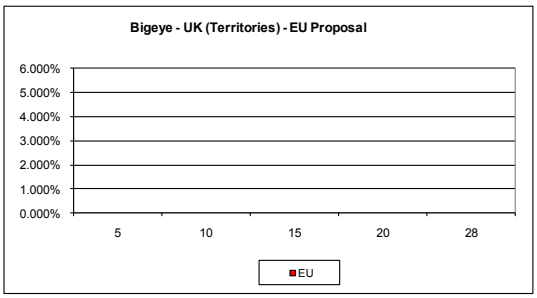


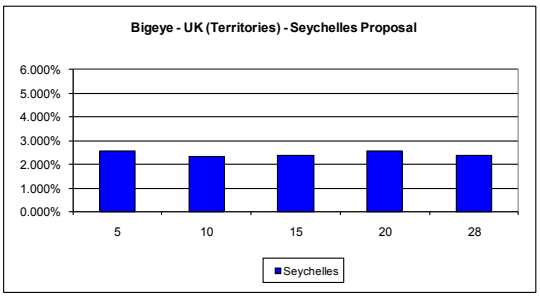
UK (BIOT) :

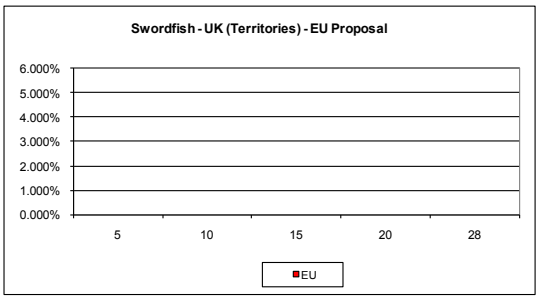
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

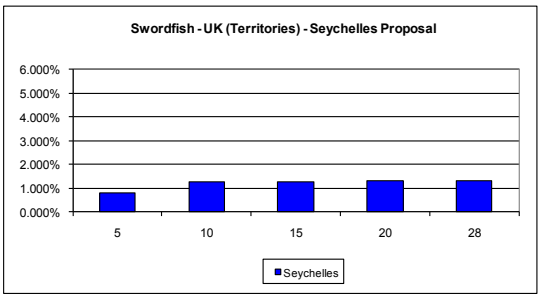






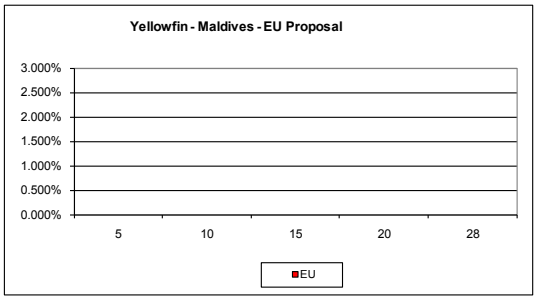


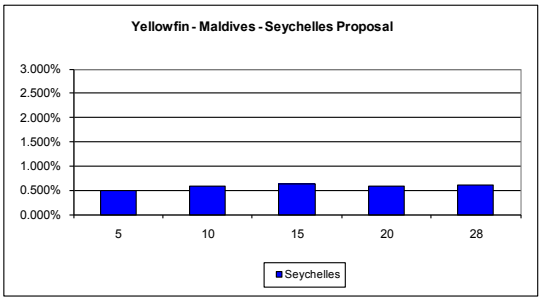


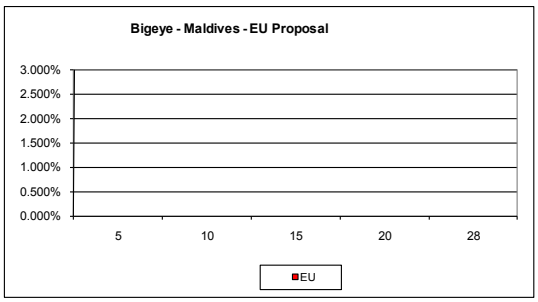


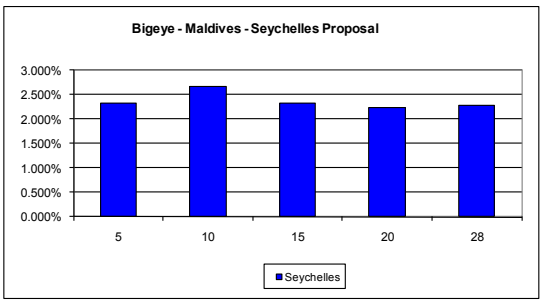
Maldives :

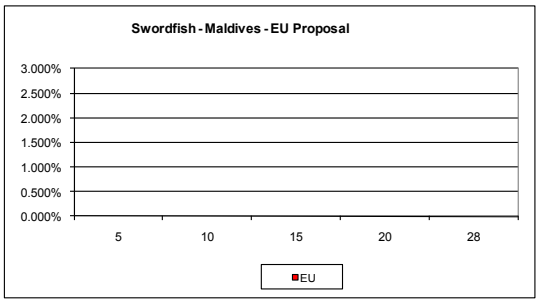
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

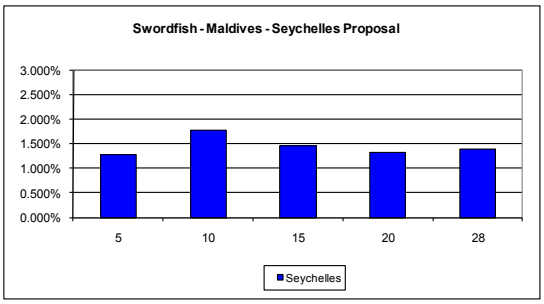






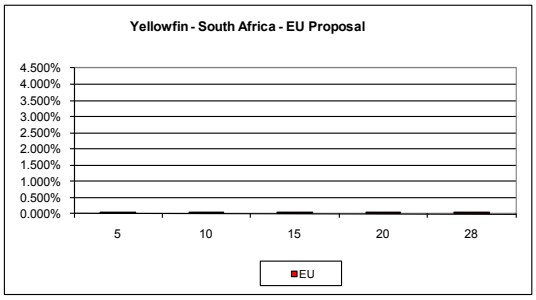


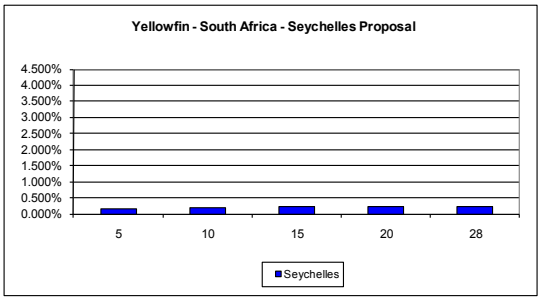


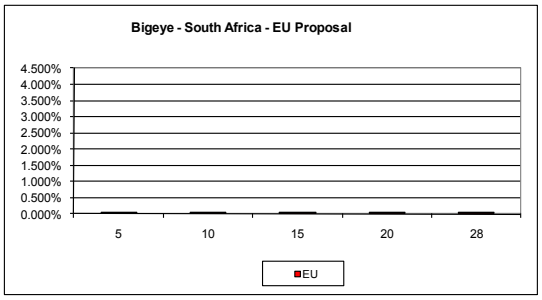


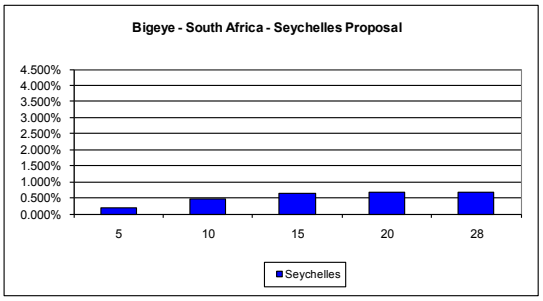
South Africa :

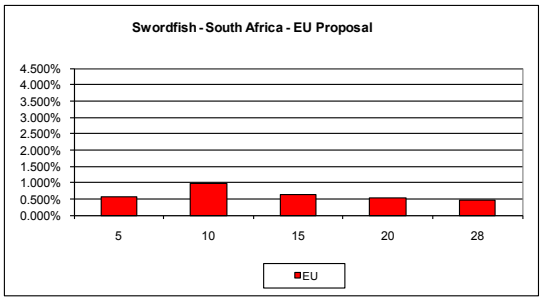
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

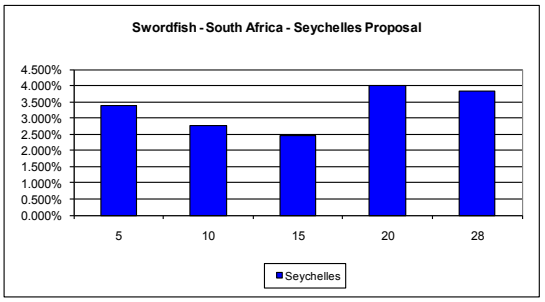






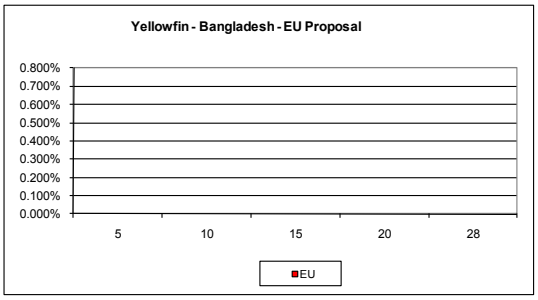


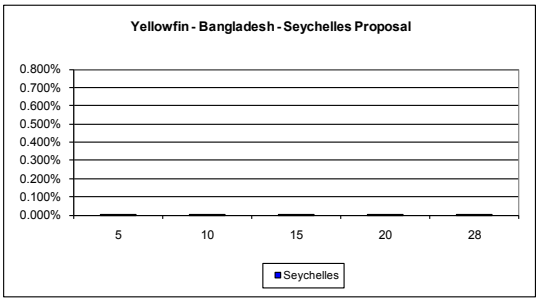


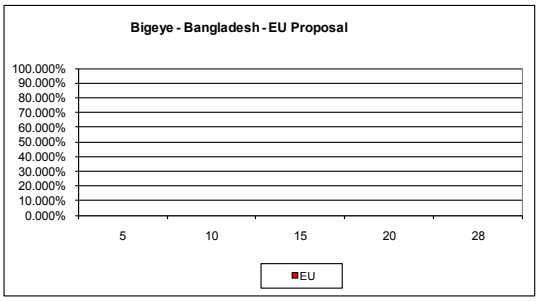


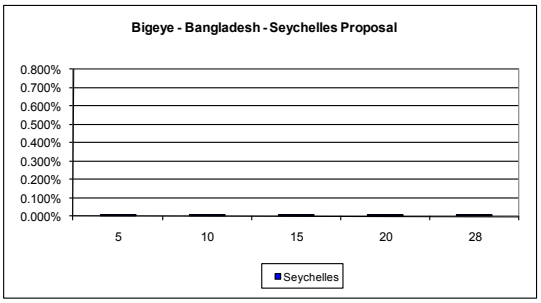
Bangladesh :

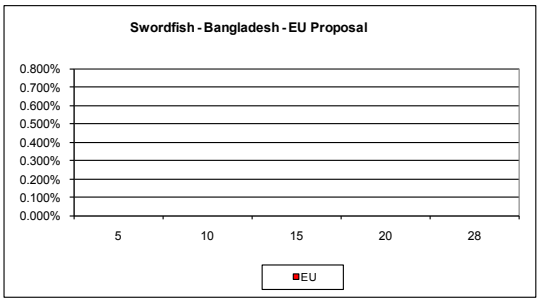
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

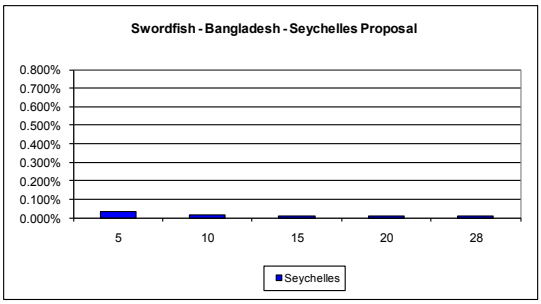






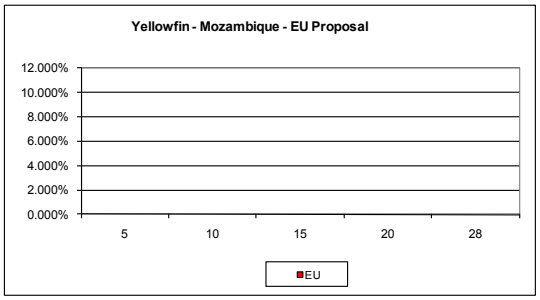


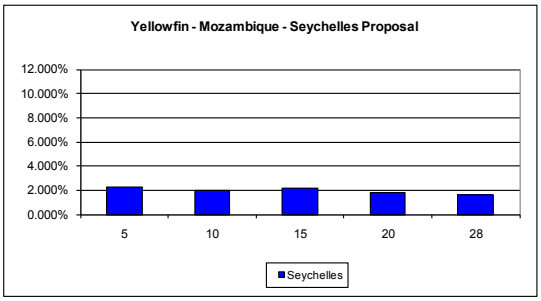


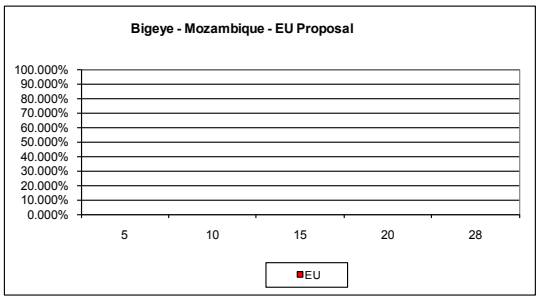


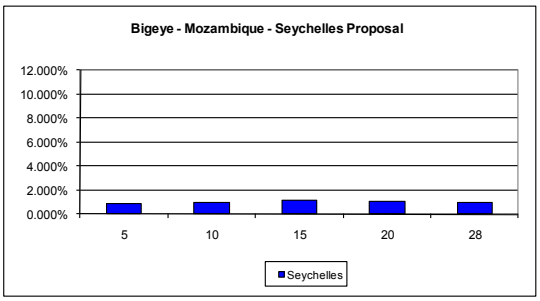
Mozambique :

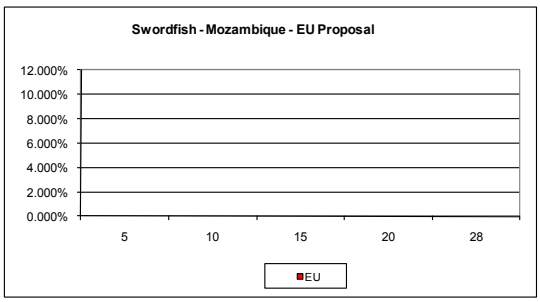
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

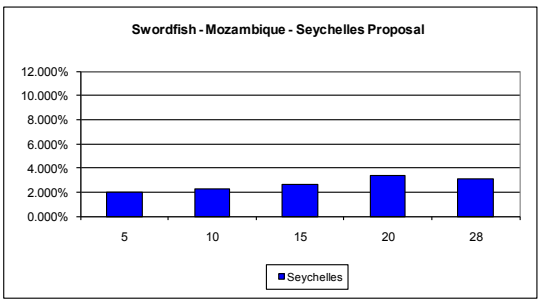






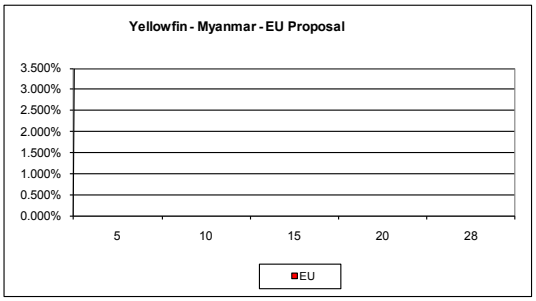


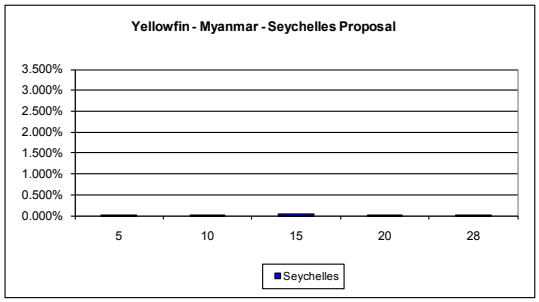


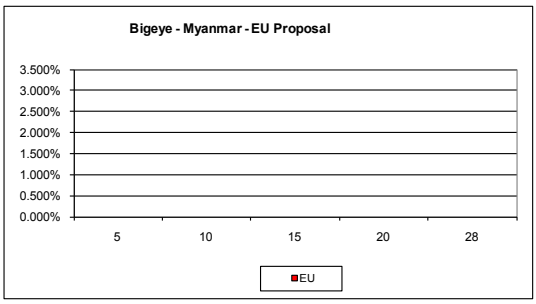


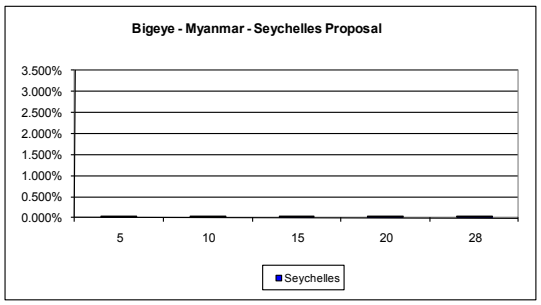
Myanmar :

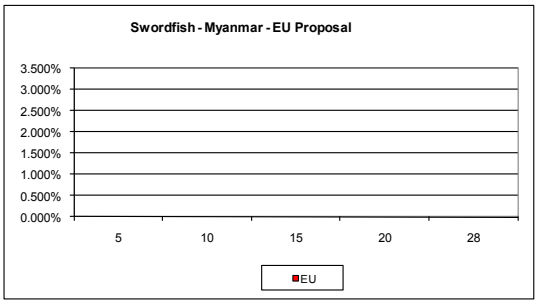
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

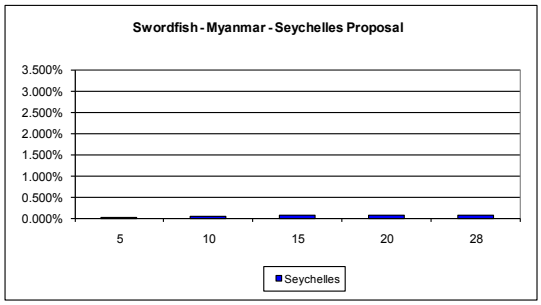






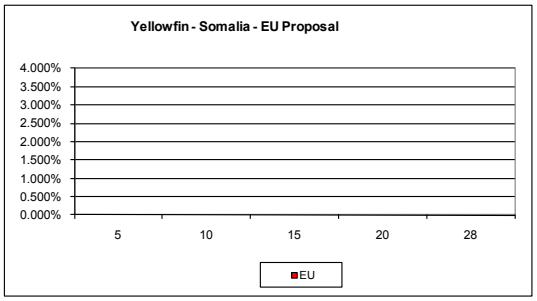


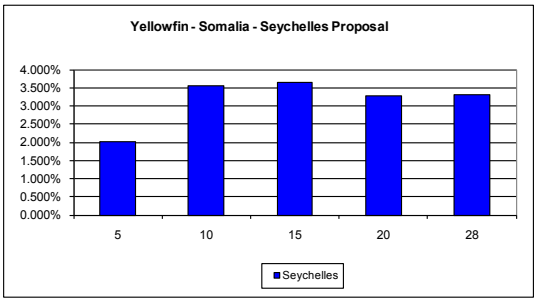


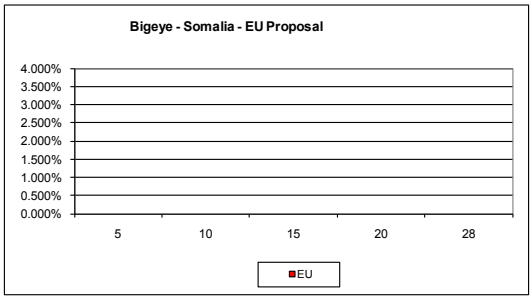


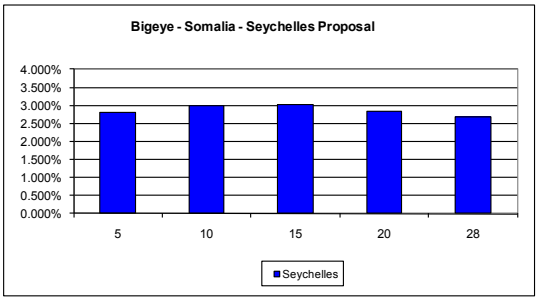
Somalia :

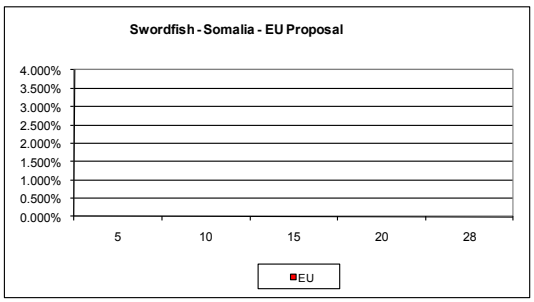
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

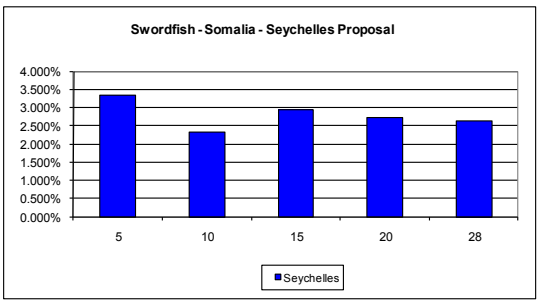






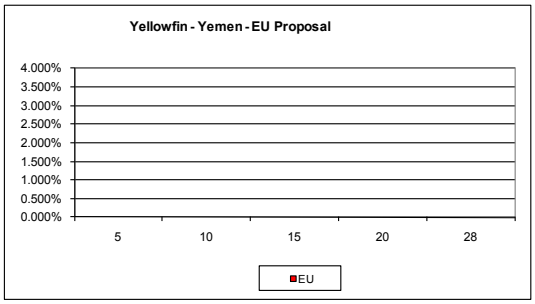


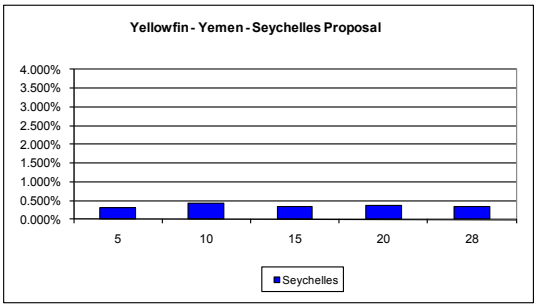


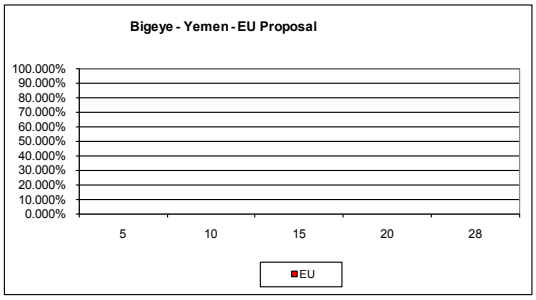


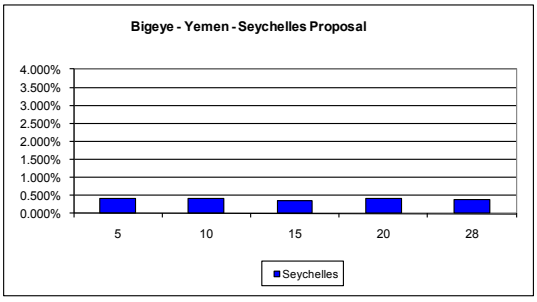
Yemen :

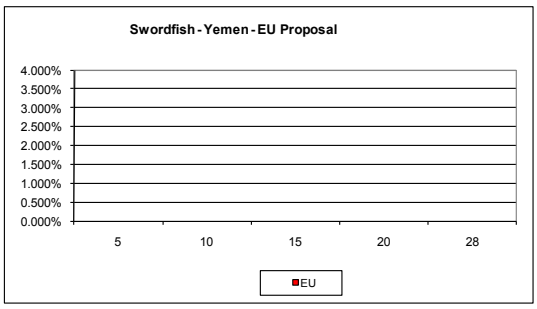
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

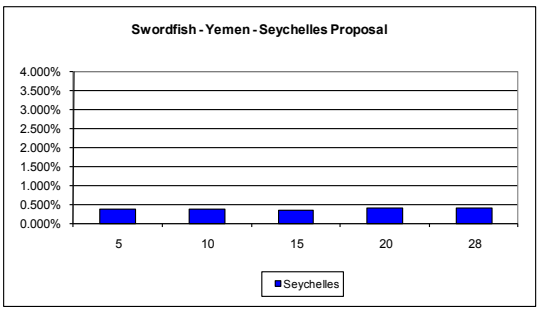






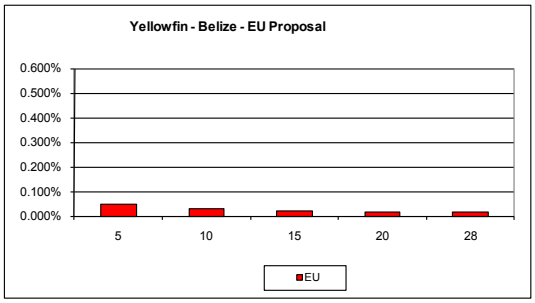


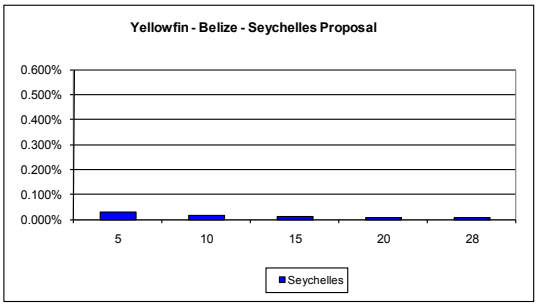


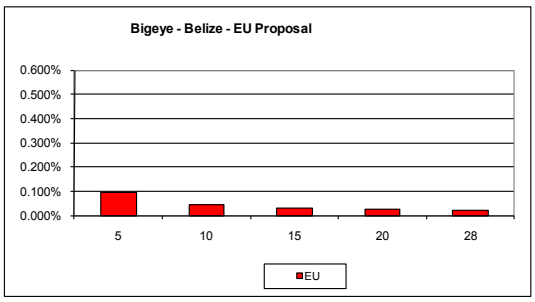


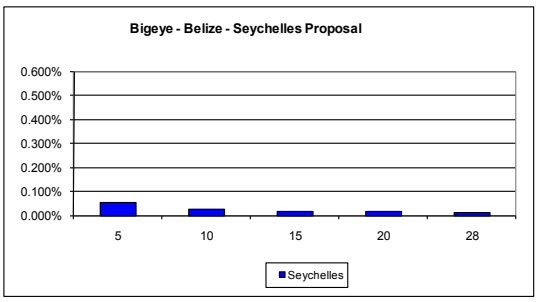
Belize :

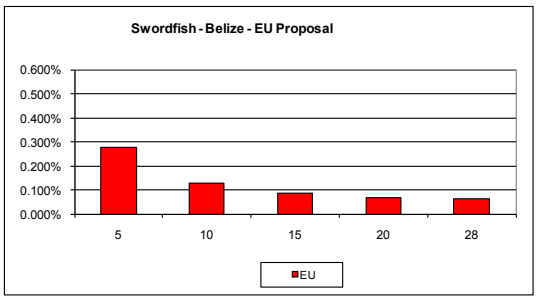
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

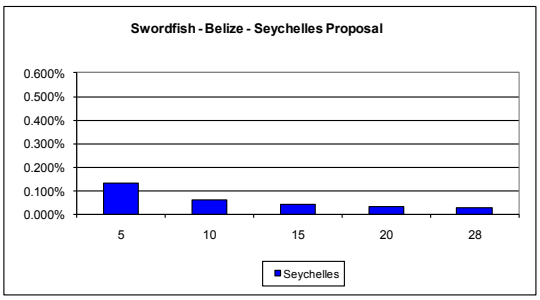






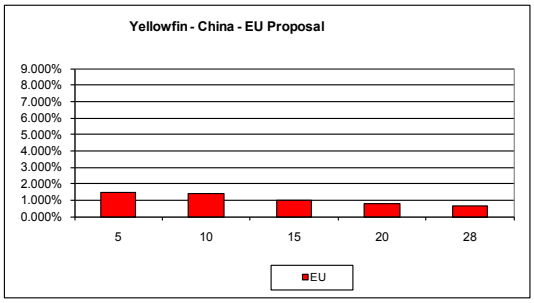


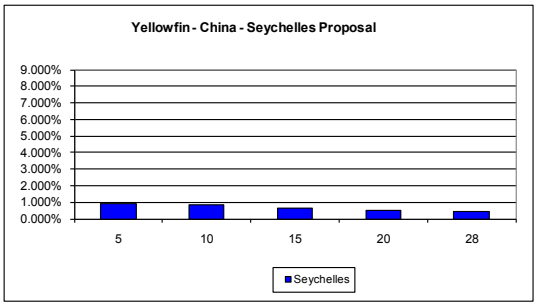


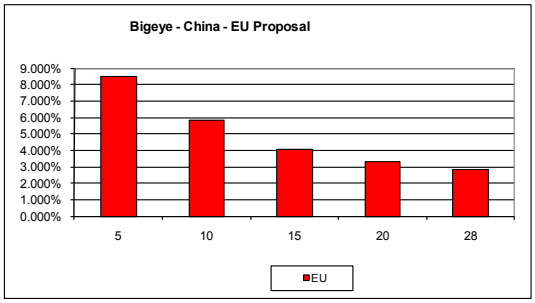


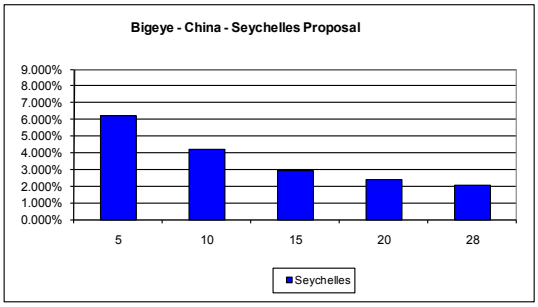
China :

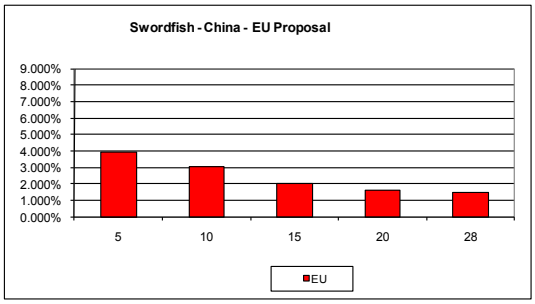
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

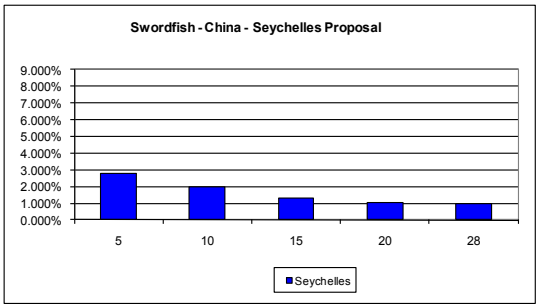






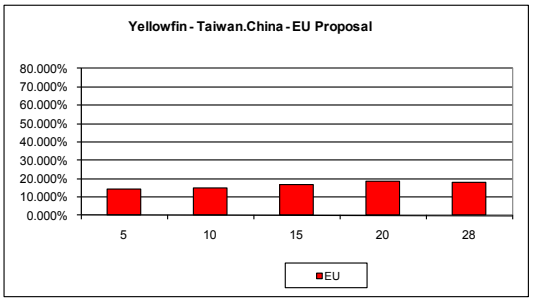


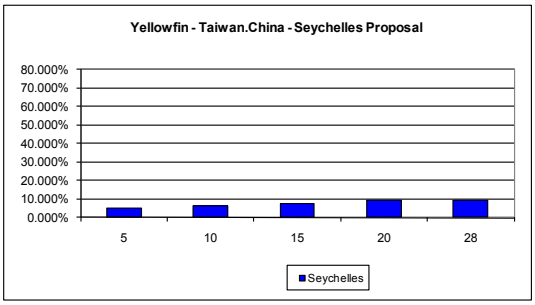


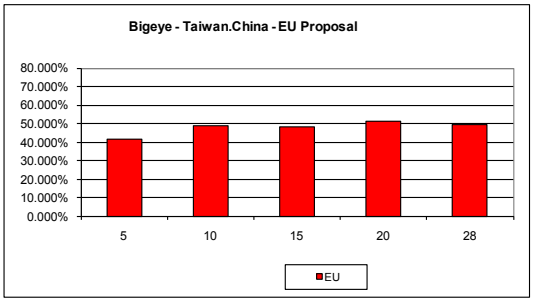


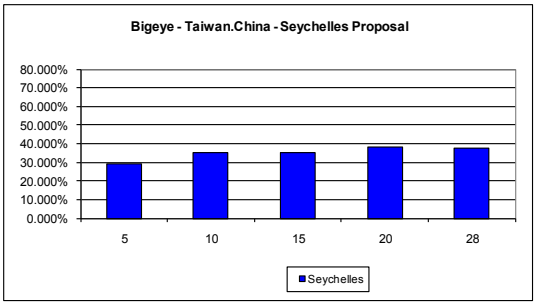
Taiwan.China :

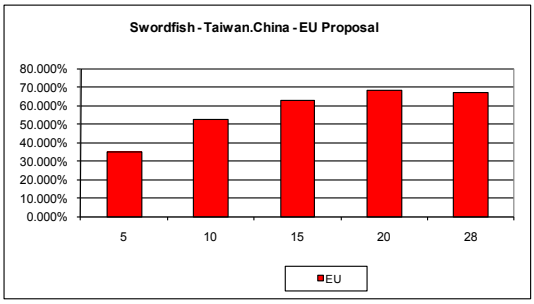
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

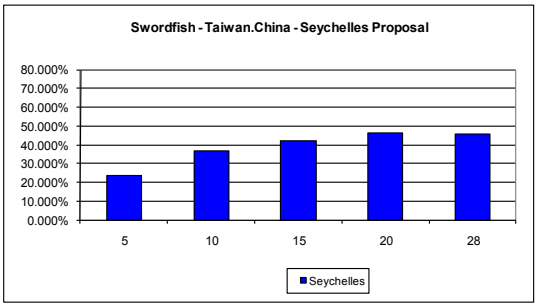






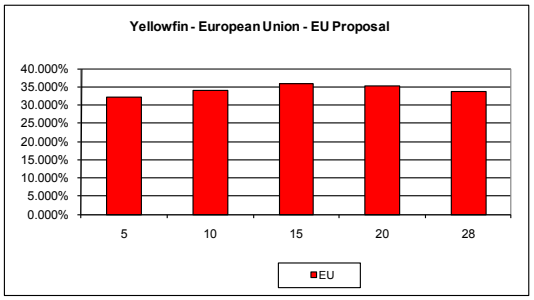


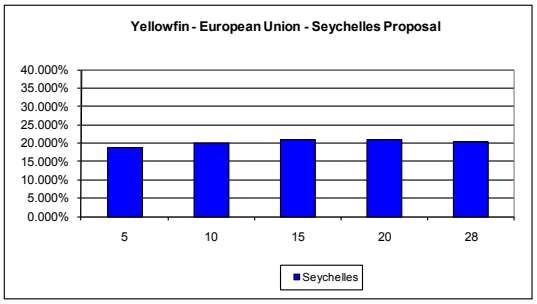


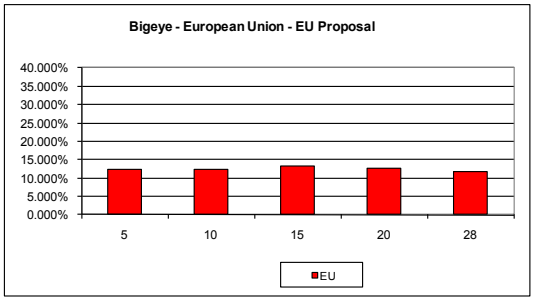


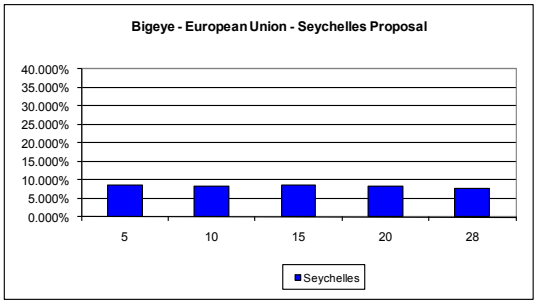
EU :

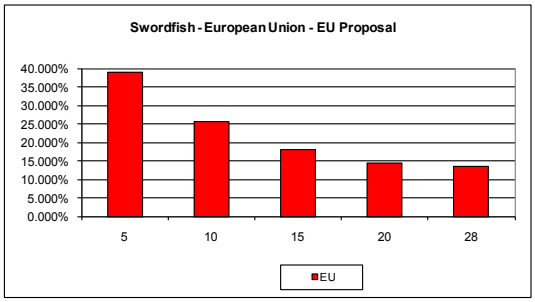
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

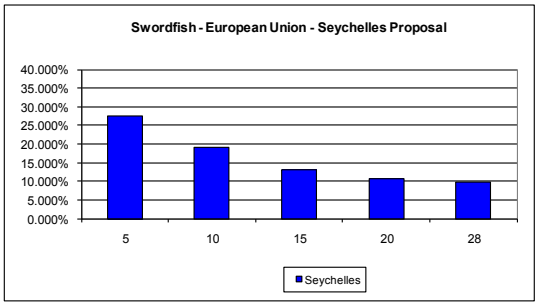






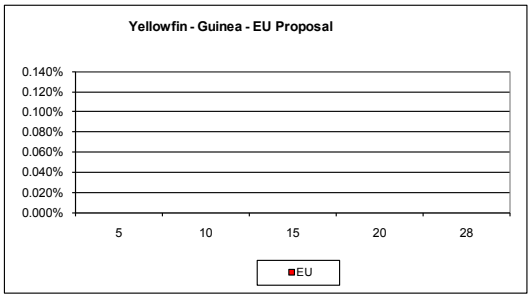


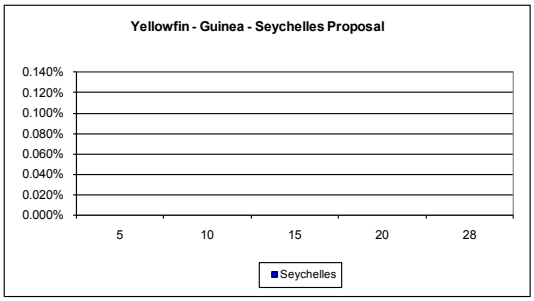


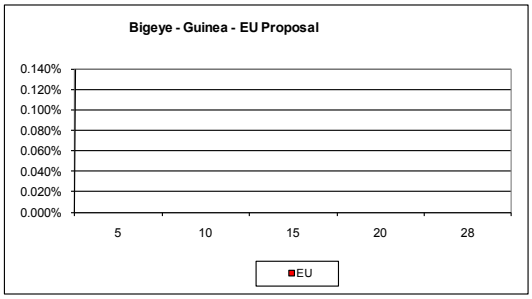


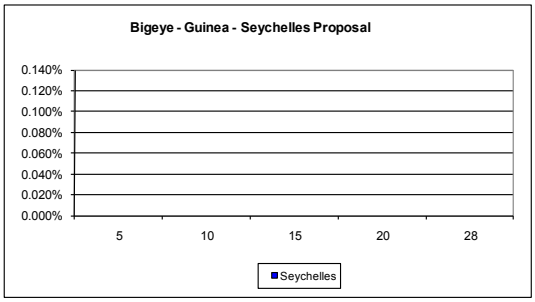
Guinea :

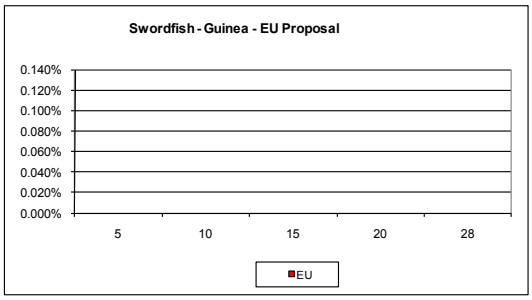
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

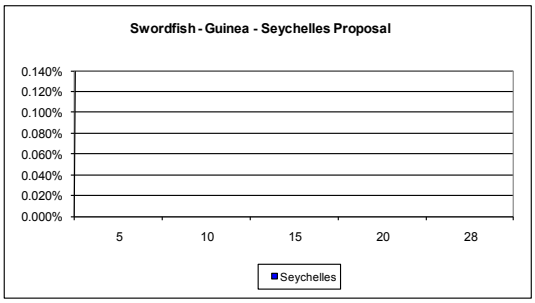






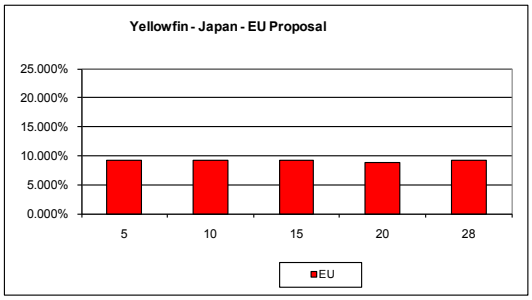


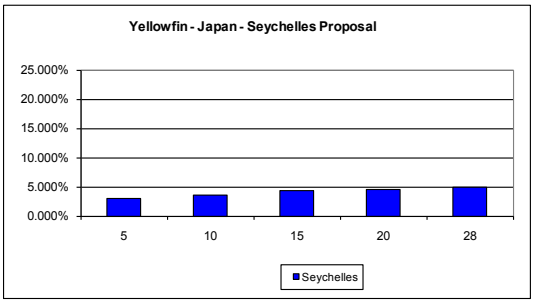


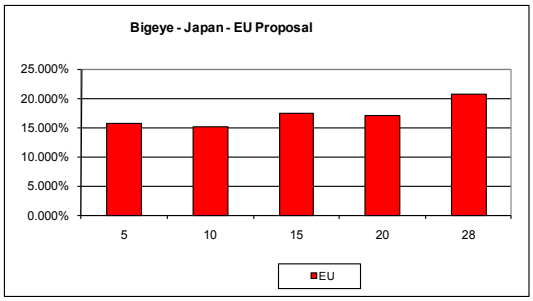


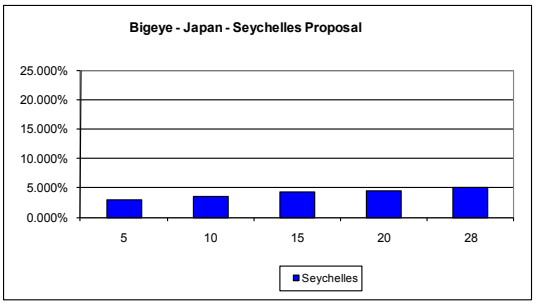
Japan :

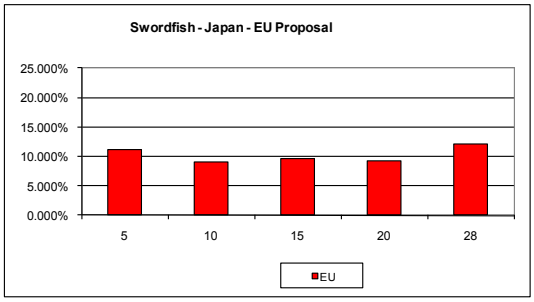
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

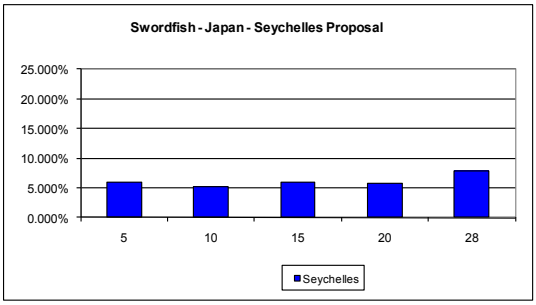






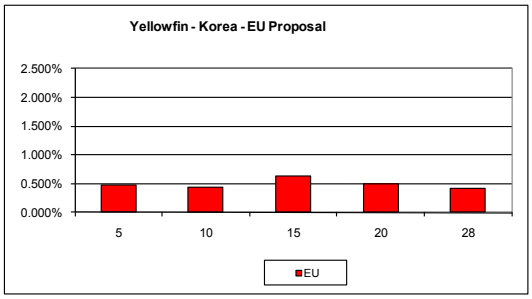


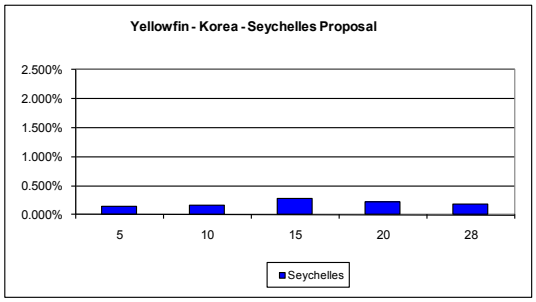


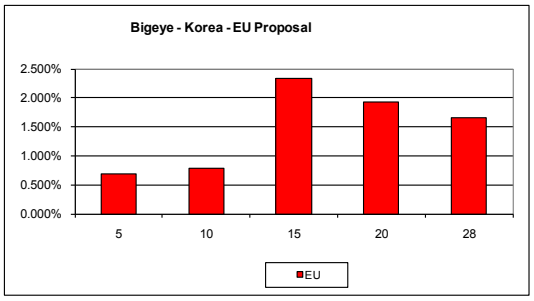


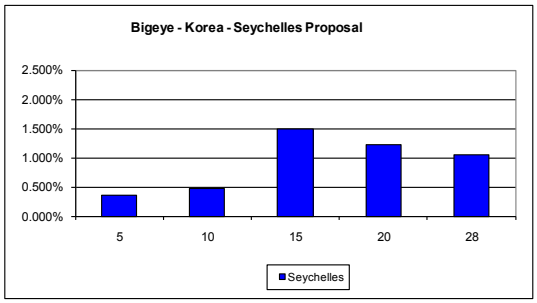
Korea :

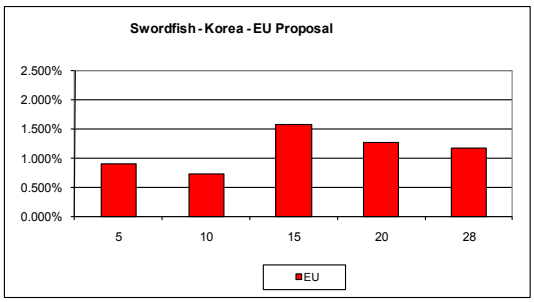
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

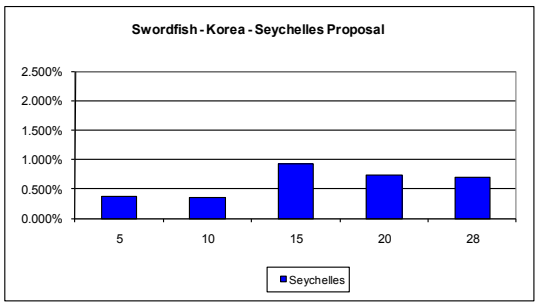






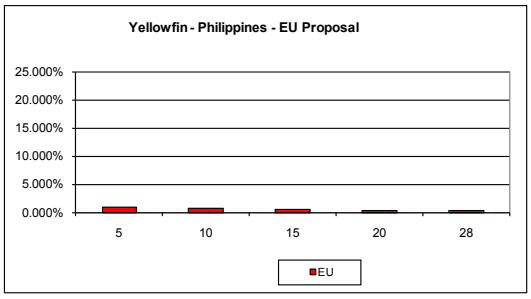


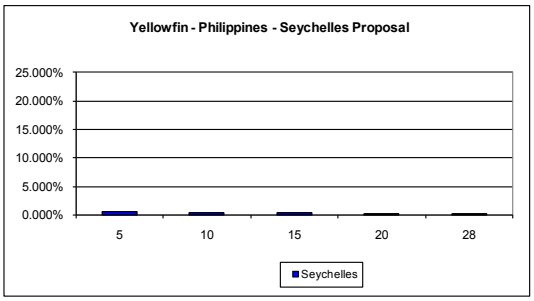


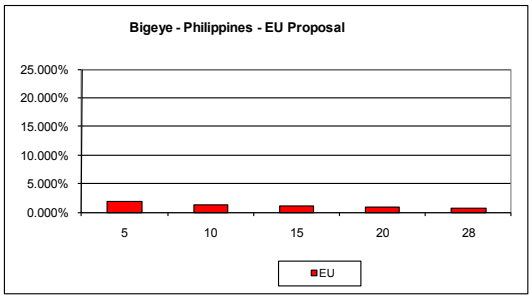


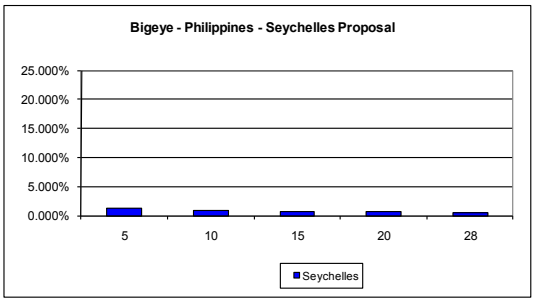
Philippines :

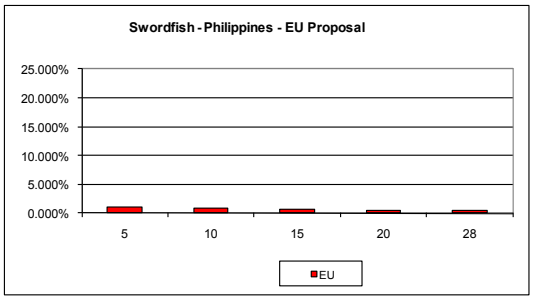
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

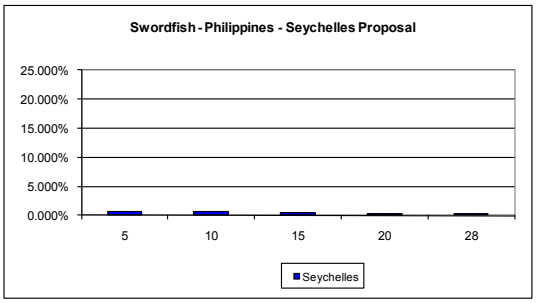






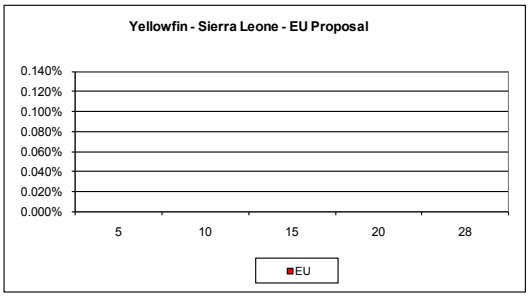


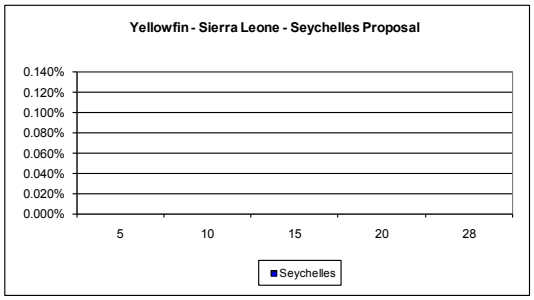


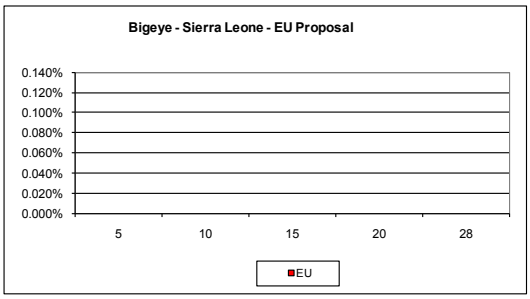


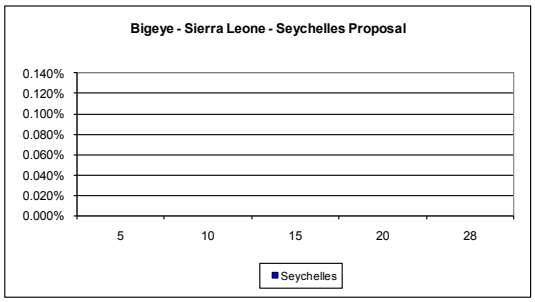
Sierra Leone :

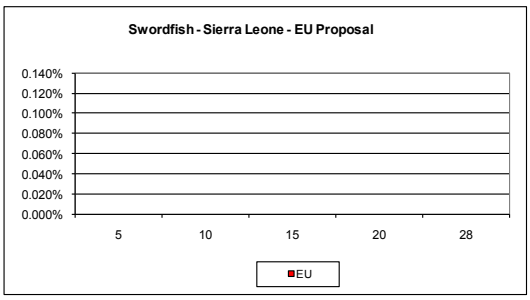
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

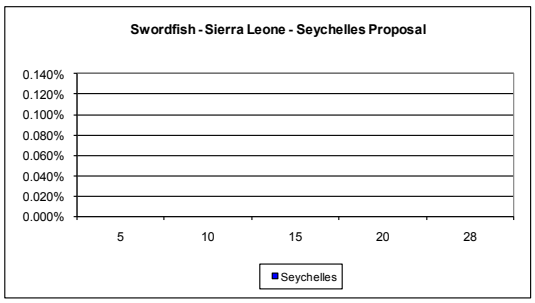






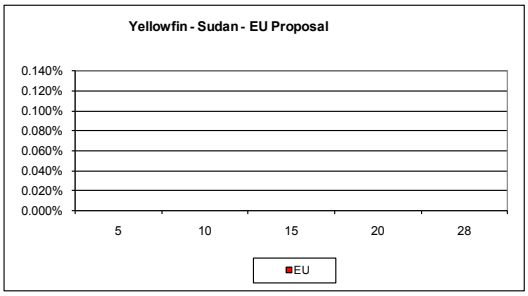


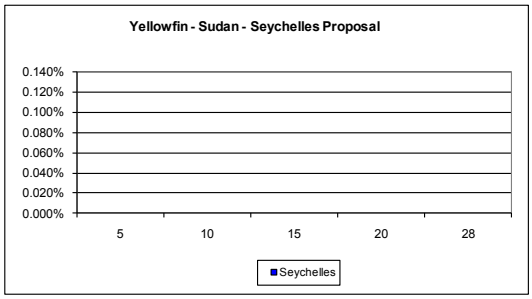


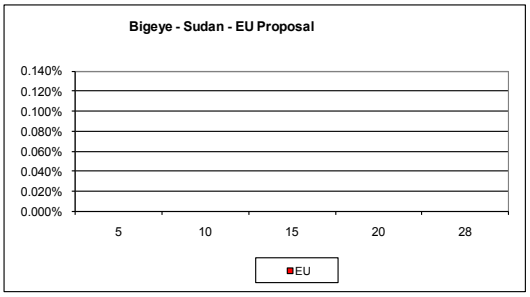


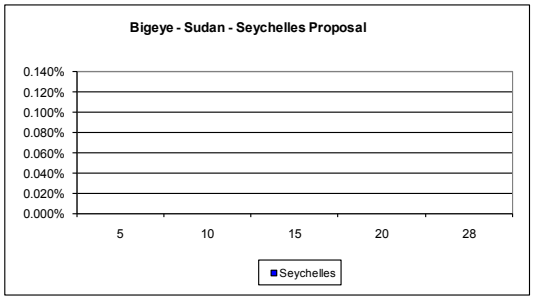
Sudan :

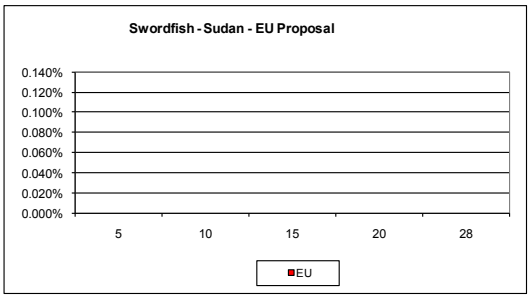
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

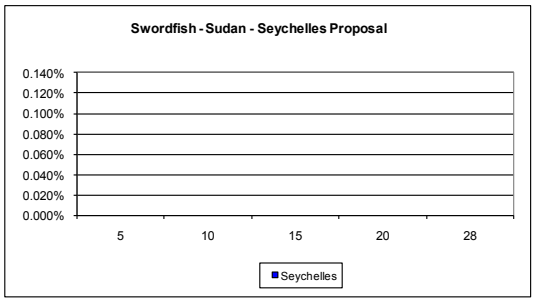






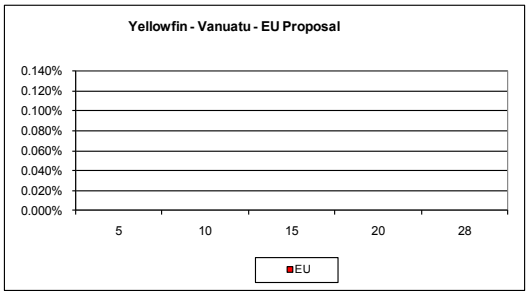


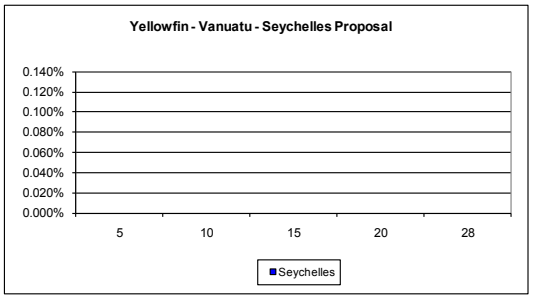


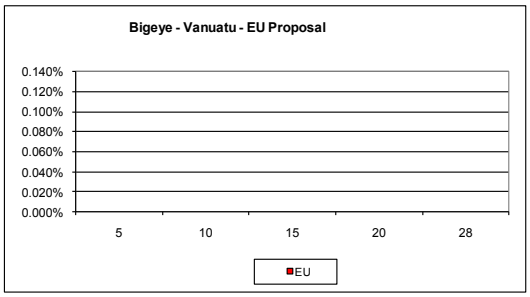


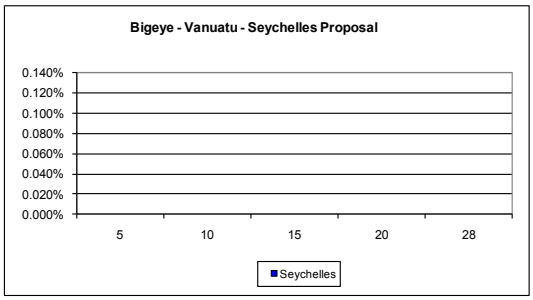
Vanuatu :

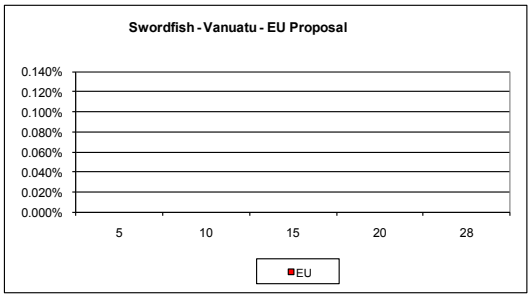
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

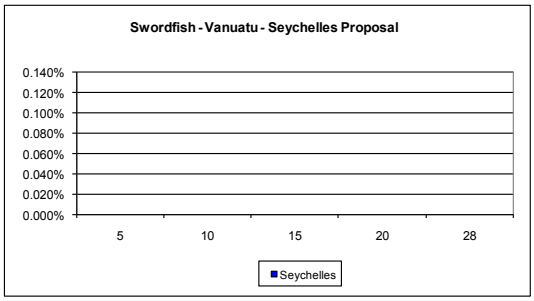






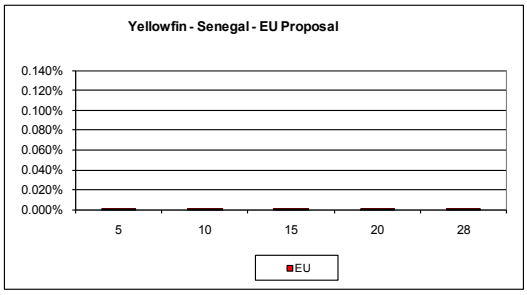


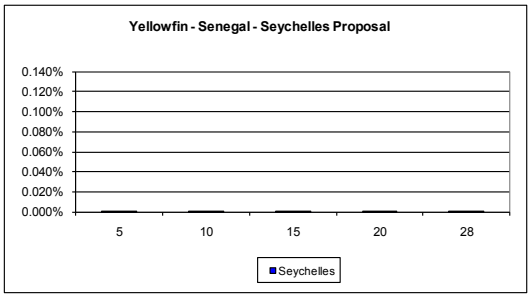


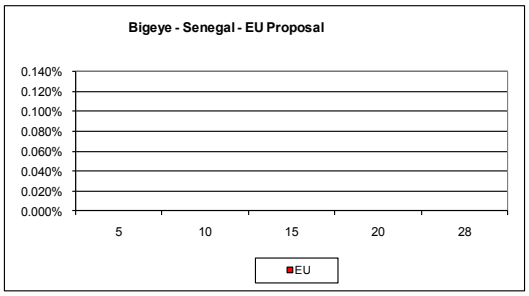


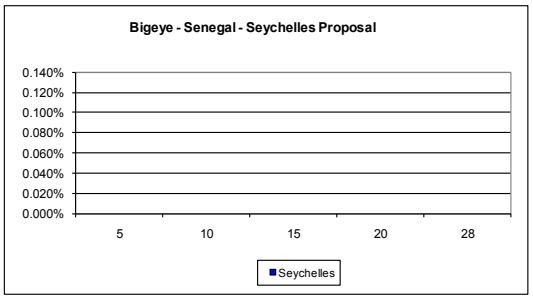
Senegal :

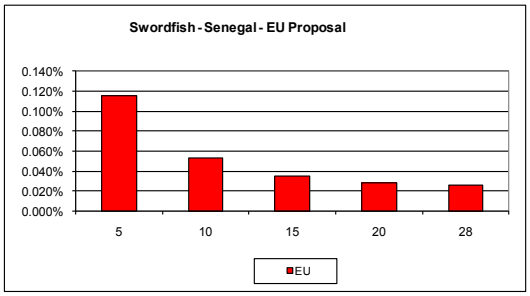
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

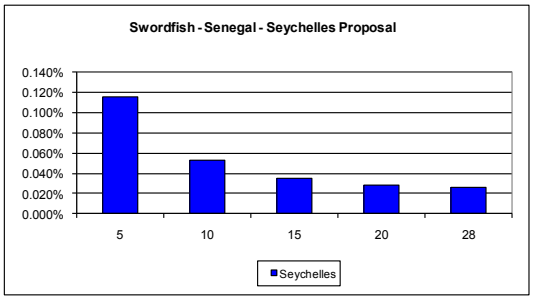






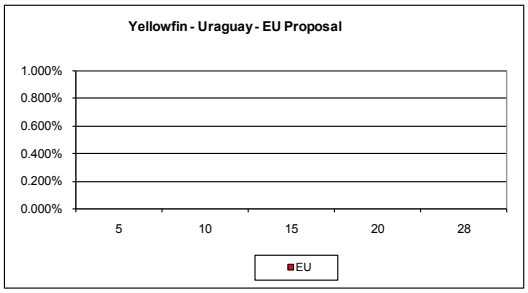


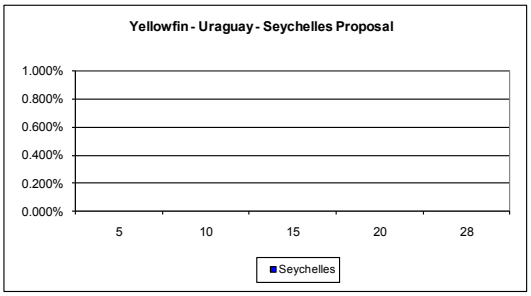


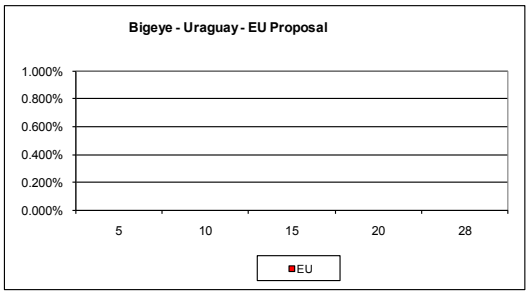


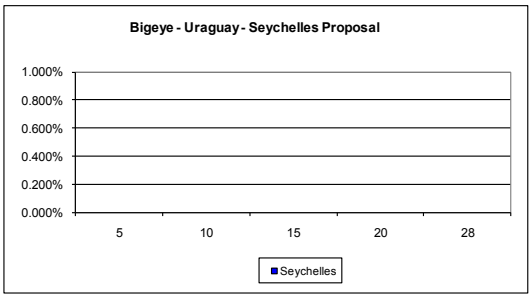
Uruguay :

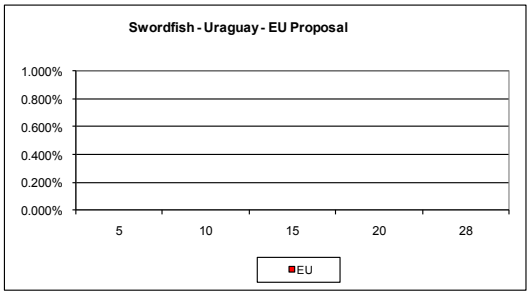
An illustration of the baseline nominal catch proportion (Y axis, i.e. % quota allocation before other adjustments) for yellowfin tuna, bigeye tuna and swordfish based on the EU (and Iranian) allocation criteria (catch by flag only) and the Seychelles allocation criteria (catch taken in EEZ for coastal states, and catch by flag on high seas), based on analysis of the IOTC catch and effort database for historical reference periods of 5, 10, 15, 20 and 28 years (X axis).

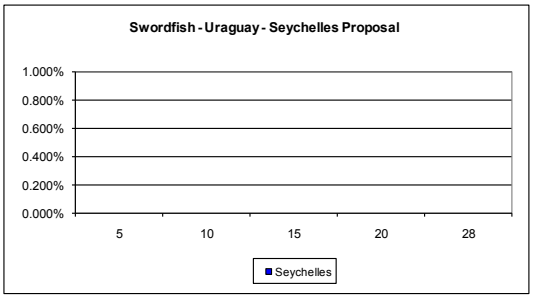












Annex 1 The generation of the first step in setting the baseline nominal proportion, Table 1, for yellowfin tuna for an historical reference period of 10 years. **This step is the same for both the EU/Iranian and Seychelles allocation criteria**.

		Country	Catches within Coastal State EEZ within the IOTC area of competence																								C. TOTAL HIGH SEAS BY FLAG STATE	D. FLAG STATE HIGH SEAS CATCH (C) AS A % OF THE SUM TOTAL
			AUSTRALIA	COMOROS	ERITREA	FRANCE (Territories)	INDIA	INDONESIA	IRAN	KENYA	MADAGASCAR	MALAYSIA	MAURITIUS	OMAN	PAKISTAN	SEYCHELLES	SRI LANKA	TANZANIA	THAILAND	UK (Territories)	MALDIVES	SOUTH AFRICA	BANGLADESH	MOZAMBIQUE	MYANMAR	SOMALIA	YEMEN		
Flag States fishing (note, only necessary to retain those that fished during Reference Period.	Coastal state within IOTC area of competence	AUSTRALIA	1053.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.51	0.0
		COMOROS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		ERITREA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		FRANCE (Territories)	0	7153.244	0	6366.014	0	0.86	0	2470.518	7373.732	0	15110.35	0	0	168694.4	1.2958	24102.84	0	23201.6	815.249	0	0	9865.002	0	12232.53	202.797	159087.9641	9.9
		INDIA	0.00	0.00	0.00	0.00	12.95	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.45	0.00	0.01	0.00	0.02	0.00	0.03	0.00	1.21	0.00	0.00	1.17	0.0
		INDONESIA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		IRAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		KENYA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		MADAGASCAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		MALAYSIA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		MAURITIUS	0.00	2.30	0.00	63.52	0.00	0.00	0.00	0.00	48.77	0.00	4.57	0.00	0.00	110.00	0.00	0.00	0.00	112.40	0.00	0.18	0.00	15.15	0.00	41.25	0.00	425.02	0.0
		OMAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		PAKISTAN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		SEYCHELLES	0.54	2037.68	0.00	2664.35	377.71	0.87	564.29	2203.06	2330.02	0.00	1256.54	6103.85	1275.09	50971.51	32.44	15725.07	0.00	12132.59	334.50	6.16	0.00	2360.75	5.10	12037.11	2291.20	135160.37	8.4
		SRI LANKA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		TANZANIA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		THAILAND	0.00	0.00	0.00	0.23	2.57	3.58	0.00	0.00	0.00	0.25	11.87	0.00	0.00	14.69	0.00	0.00	0.65	1.20	1.80	0.25	0.00	0.00	0.97	42.92	0.00	2521.16	0.1
		UNITED KINGDOM (Territories)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		MALDIVES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		SOUTH AFRICA	0.00	0.00	0.00	19.87	0.00	0.00	0.00	0.00	51.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	225.51	0.00	172.44	0.00	0.00	0.00	336.48	0.0
		BANGLADESH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		MOZAMBIQUE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		MYANMAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		SOMALIA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
		YEMEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
	Distant Water fishing Nation	BELIZE	0.00	0.77	0.06	13.12	0.63	0.02	0.00	4.42	15.32	0.00	27.01	0.00	0.00	61.89	0.00	1.10	0.00	6.30	7.44	16.33	0.00	4.42	0.00	61.24	0.35	266.55	0.0
		CHINA	0.41	152.12	0.00	51.09	914.84	31.54	62.62	329.61	17.60	0.00	235.17	761.66	410.71	2161.75	899.55	542.04	0.00	539.68	1072.58	1.91	0.00	0.05	0.00	550.17	31.24	15203.31	0.9
		TAIWAN.CHINA	41.77	811.12	0.00	2089.61	28246.59	123.35	1928.40	1445.43	2710.43	0.34	6189.23	45182.46	16916.34	17228.45	1151.50	2570.32	1.22	4755.74	6693.17	625.17	57.60	897.57	355.85	4904.69	510.59	114855.82	7.1
		EUROPEAN UNION	0	6984.209	0	4030.18	37.3334	0	0	3821.912	8497.684	0	2835.835	116.5275	0	118205.6	0	28708.06	0	29322.38	410.4118	21.1275	0	5927.384	0	29799.76	4584.939	351180.0964	21.9
		GUINEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		JAPAN	23.2	0	0	0	0.9	129.2	0	0	0	0	0	0	0	0	17.15	0	0	142.8	1.65	0	0	0	0	0	0	7463.2	0.4
		KOREA	4.744	127.3445	0.26	718.4632	2.3535	1.9745	8.8255	239.61	1113.457	0	88.1542	318.965	30.2345	526.6242	1.686	284.9037	0	16.7525	7.6804	45.7266	0	405.0195	0	803.873	6.702	2936.8708	0.1
		PHILIPPINES	10.5085	44.829	0	158.7308	464.331	0.8935	12.6406	269.6355	180.286	0	319.9508	134.7009	180.0021	786.9719	74.7711	40.27875	0	397.0625	268.0105	47.4265	0	57.8735	0.0274	623.3992	71.836	6908.39002	0.4
		SIERRA LEONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		VANUATU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		SENEGAL	0.008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.912	0.0
		URGUAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
		A. TOTAL CATCH IN ZONE OF COUNTRY	1134.237	17313.62	0.32	16175.17	30060.21	292.438	2576.777	10784.2	22338.65	0.587	26078.68	52618.16	18812.96	358761.9	2178.831	71974.61	1.88	70628.51	9612.513	989.7877	57.63	19705.66	363.1585	61096.95	7699.656	796477.8178	
		B. % OF CATCH IN ZONE OF COUNTRY	0.07%	1.08%	0.00%	1.01%	1.88%	0.02%	0.16%	0.67%	1.40%	0.00%	1.63%	3.29%	1.18%	22.45%	0.14%	4.50%	0.00%	4.42%	0.60%	0.06%	0.00%	1.23%	0.02%	3.82%	0.48%	49.85%	100.0

Annex 2 The generation of the second step in setting the baseline nominal proportion, Table 2, for yellowfin tuna for an historical reference period of 10 years. This step is different for the EU/Iranian and Seychelles allocation criteria. **The following Table applies the EU/Iranian criteria and catches are allocated only by Flag and not by where they were caught**

Country	A. Total EEZ catch reference period (mt)	B. Proportion of total catch taken by zone (%)	C. Total High Seas catch taken by flag state for period	D. High seas catch taken by flag state (in C) as a proportion of the sum total landed catch (in A)	E. Baseline Nominal catch proportion (B+D)
AUSTRALIA	1053.05	0.07%	129.507	0.01%	0.074%
COMOROS	0.00	0.00%	0	0.00%	0.000%
ERITREA	0.00	0.00%	0	0.00%	0.000%
FRANCE (Territories)	277590.39	17.37%	159087.964	9.96%	27.331%
INDIA	15.40	0.00%	1.1661	0.00%	0.001%
INDONESIA	0.00	0.00%	0	0.00%	0.000%
IRAN	0.00	0.00%	0	0.00%	0.000%
KENYA	0.00	0.00%	0	0.00%	0.000%
MADAGASCAR	0.00	0.00%	0	0.00%	0.000%
MALAYSIA	0.00	0.00%	0	0.00%	0.000%
MAURITIUS	398.14	0.02%	425.0194	0.03%	0.052%
OMAN	0.00	0.00%	0	0.00%	0.000%
PAKISTAN	0.00	0.00%	0	0.00%	0.000%
SEYCHELLES	114710.45	7.18%	135160.374	8.46%	15.639%
SRI LANKA	0.00	0.00%	0	0.00%	0.000%
TANZANIA	0.00	0.00%	0	0.00%	0.000%
THAILAND	80.98	0.01%	2521.16299	0.16%	0.163%
UK (Territories)	0.00	0.00%	0	0.00%	0.000%
MALDIVES	0.00	0.00%	0	0.00%	0.000%
SOUTH AFRICA	469.17	0.03%	336.4752	0.02%	0.050%
BANGLADESH	0.00	0.00%	0	0.00%	0.000%
MOZAMBIQUE	0.00	0.00%	0	0.00%	0.000%
MYANMAR	0.00	0.00%	0	0.00%	0.000%
SOMALIA	0.00	0.00%	0	0.00%	0.000%
YEMEN	0.00	0.00%	0	0.00%	0.000%
BELIZE	220.41	0.01%	266.546969	0.02%	0.030%
CHINA	8766.33	0.55%	15203.3147	0.95%	1.500%
TAIWAN.CHINA	145436.94	9.10%	114855.818	7.19%	16.291%
EUROPEAN UNION	243303.38	15.23%	351180.096	21.98%	37.208%
GUINEA	0.00	0.00%	0	0.00%	0.000%
JAPAN	314.90	0.02%	7463.2	0.47%	0.487%
KOREA	4753.35	0.30%	2936.8708	0.18%	0.481%
PHILIPPINES	4144.17	0.26%	6908.39002	0.43%	0.692%
SIERRA LEONE	0.00	0.00%	0	0.00%	0.000%
SUDAN	0.00	0.00%	0	0.00%	0.000%
VANUATU	0.00	0.00%	0	0.00%	0.000%
SENEGAL	0.01	0.00%	1.912	0.00%	0.000%
URGUAY	0.00	0.00%	0	0.00%	0.000%
HIGH SEAS					
TOTAL	801257.08	50%	796477.818	49.85%	100.00%

Annex 3 The generation of the second step in setting the baseline nominal proportion, Table 2, for yellowfin tuna for an historical reference period of 10 years. This step is different for the EU/Iranian and Seychelles allocation criteria. **The following Table applies the Seychelles criteria and catches are allocated to the EEZ in which they were caught (column B) and on the high seas by Flag (column D).**

Country	A. Total catch in zone of country for reference period (mt)	B. Proportion of total catch taken by zone (%)	C. Total high seas catch taken by flag state for period	D. High seas catch taken by flag state (in C) as a proportion of the sum total landed catch (in A)	E. Baseline Nominal catch proportion (B+D)
AUSTRALIA	1134.23667	0.07%	129.507	0.01%	0.079%
COMOROS	17313.6236	1.08%	0	0.00%	1.084%
ERITREA	0.32	0.00%	0	0.00%	0.000%
FRANCE (Territories)	16175.1694	1.01%	159087.964	9.96%	10.969%
INDIA	30060.2076	1.88%	1.1661	0.00%	1.881%
INDONESIA	292.438	0.02%	0	0.00%	0.018%
IRAN	2576.7766	0.16%	0	0.00%	0.161%
KENYA	10784.1957	0.67%	0	0.00%	0.675%
MADAGASCAR	22338.6518	1.40%	0	0.00%	1.398%
MALAYSIA	0.587	0.00%	0	0.00%	0.000%
MAURITIUS	26078.6779	1.63%	425.0194	0.03%	1.659%
OMAN	52618.1614	3.29%	0	0.00%	3.293%
PAKISTAN	18812.9631	1.18%	0	0.00%	1.177%
SEYCHELLES	358761.885	22.45%	135160.374	8.46%	30.914%
SRI LANKA	2178.8307	0.14%	0	0.00%	0.136%
TANZANIA	71974.6133	4.50%	0	0.00%	4.505%
THAILAND	1.88	0.00%	2521.16299	0.16%	0.158%
UK (Territories)	70628.5067	4.42%	0	0.00%	4.421%
MALDIVES	9612.5129	0.60%	0	0.00%	0.602%
SOUTH AFRICA	989.787704	0.06%	336.4752	0.02%	0.083%
BANGLADESH	57.63	0.00%	0	0.00%	0.004%
MOZAMBIQUE	19705.6636	1.23%	0	0.00%	1.233%
MYANMAR	363.1585	0.02%	0	0.00%	0.023%
SOMALIA	61096.9456	3.82%	0	0.00%	3.824%
YEMEN	7699.656	0.48%	0	0.00%	0.482%
BELIZE			266.546969	0.02%	0.017%
CHINA			15203.3147	0.95%	0.952%
TAIWAN.CHINA			114855.818	7.19%	7.189%
EUROPEAN UNION			351180.096	21.98%	21.980%
GUINEA			0	0.00%	0.000%
JAPAN			7463.2	0.47%	0.467%
KOREA			2936.8708	0.18%	0.184%
PHILIPPINES			6908.39002	0.43%	0.432%
SIERRA LEONE			0	0.00%	0.000%
SUDAN			0	0.00%	0.000%
VANUATU			0	0.00%	0.000%
SENEGAL			1.912	0.00%	0.000%
URGUAY			0	0.00%	0.000%
HIGH SEAS	796477.818	49.85%			
TOTAL	1597734.9	100.00%	796477.818	49.85%	100.00%