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EB/CW/QMethodology/92/2  
Supplement 1

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March 24, 1992

To: Members of the Committee of the Whole on Membership  
for the Republics of the Former U.S.S.R.

From: The Secretary

Subject: Quota Calculations for the Republics of the  
Former Soviet Union - Illustrative Calculations  
of the Ratio of Actual to Calculated Quotas

In the light of the Committee's discussion on Friday, March 20, 1992, some members have requested that the calculations presented in Table 2 of EB/CW/QMethodology/92/2 also be made using the same methodology as was employed in calculating the illustrative ratios of actual to calculated quotas in Table 1 of that paper, and that the total calculated quota for the former U.S.S.R. be distributed among the individual republics on the basis of Method II and using also each of the other various distributive keys associated with that method. It will be recalled that Table 2 of EB/CW/QMethodology/92/2 is based on the BW variant distribution key. The other distributive keys are: (i) the debt-sharing formula; (ii) a simple average of each republic's share in GDP, foreign trade and a proxy for reserves; and (iii) the midpoints of the percentage shares indicated for each republic in terms of the Bretton Woods variant and the debt-sharing formula. These calculations are shown in Tables 2-A, 2-B, and 2-C, respectively. For convenience, Table 2 from EB/CW/QMethodology/92/2 is also reproduced in this note as Table 1.

Mr. O'Brien (ext. 7812) is available to answer technical or factual questions relating to this paper.

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Table 1. Illustrative Quota Calculations  
with Adjusted Ratios (Method II, BW Variant)

	Quotas Determined By Applying The Ratio of Actual to Calculated Quota of the Comparator Group to Method II (BW) 1/ (1)	Col. (1) Adjusted to Equalize Openness with Average Openness of Comparator Group (2)
(In millions of SDRs)		
Russia	2,347.8 2/	2,948.4
Ukraine	542.5	715.1
Belarus	153.0	208.1
Uzbekistan	108.6	155.5
Kazakhstan	134.5	188.3
Georgia	60.0	80.7
Azerbaijan	63.8	88.9
Lithuania	56.4	76.2
Moldova	49.2	68.9
Latvia	50.2	70.6
Kyrgyzstan	34.7	52.8
Tajikistan	32.8	49.9
Armenia	36.5	56.8
Turkmenistan	26.4	39.2
Estonia	25.5	37.8
Total	3,721.9	4,837.2
(In percentage shares of total quotas) 3/		
Russia	2.475	3.072
Ukraine	0.572	0.745
Belarus	0.161	0.217
Uzbekistan	0.114	0.162
Kazakhstan	0.142	0.196
Georgia	0.063	0.084
Azerbaijan	0.067	0.093
Lithuania	0.059	0.079
Moldova	0.052	0.072
Latvia	0.053	0.073
Kyrgyzstan	0.037	0.055
Tajikistan	0.035	0.052
Armenia	0.039	0.056
Turkmenistan	0.028	0.041
Estonia	0.027	0.039
Total	3.923	5.039
Memo Item		
Total (including Switzerland)	3.854	4.952

1/ The ratio of actual to calculated quota used is the average for the group of members with GDP on calculated quota within one-third of the corresponding data for the potential new member.

2/ Ratio for Russia at 0.43.

3/ Excluding Switzerland.

Table 2-A. Illustrative Quota Calculations With Adjusted Ratios  
(Method 11, Debt-Sharing Formula)

	Quotas Determined by Applying the Ratio of Actual to to Calculated Quota of the Comparator Group to Method 11 (Debt Sharing Formula) 1/ (1)	Col. (1) Adjusted to Equalize Openness with Average Openness of Comparator Group (2)
(In millions of SDRs)		
Russia	2,168.2 2/	2,722.9
Ukraine	592.3	780.7
Belarus	169.8	230.9
Uzbekistan	137.1	196.2
Kazakhstan	158.7	222.2
Georgia	73.3	98.6
Azerbaijan	75.5	105.2
Lithuania	66.1	89.3
Moldova	63.6	89.1
Latvia	55.3	77.8
Kyrgyzstan	49.2	75.0
Tajikistan	42.5	64.7
Armenia	44.6	60.3
Turkmenistan	34.5	51.2
Estonia	29.6	43.8
Total	3,760.3	4,917.1
(In percentage shares of total quotas) 3/		
Russia	2.284	2.834
Ukraine	0.624	0.813
Belarus	0.179	0.240
Uzbekistan	0.144	0.204
Kazakhstan	0.167	0.231
Georgia	0.077	0.103
Azerbaijan	0.080	0.109
Lithuania	0.070	0.093
Moldova	0.067	0.093
Latvia	0.058	0.081
Kyrgyzstan	0.052	0.078
Tajikistan	0.045	0.067
Armenia	0.047	0.072
Turkmenistan	0.036	0.053
Estonia	0.031	0.046
Total	3.962	5.118
Memo Item		
Total (including Switzerland)	3.892	5.039

1/ The ratio of actual to calculated quota used is the average for the group of members with GDP or calculated quota within one-third of the corresponding data for the potential new member.

2/ Ratio for Russia at 0.43.

3/ Excluding Switzerland.

Table 2-B. Illustrative Quota Calculations With Adjusted Ratios  
(Method II, Simple Average)

	Quotas Determined by Applying the Ratio of Actual to Calculated Quota of the Comparator Group to Method II (Simple Average) <u>1/</u> (1)	Col. (1) Adjusted to Equalize Openness with Average Openness of Comparator Group (2)
<u>(In millions of SDRs)</u>		
Russia	2,289.2 <u>2/</u>	2,874.8
Ukraine	558.5	736.2
Belarus	157.9	214.7
Uzbekistan	118.0	168.9
Kazakhstan	142.9	200.1
Georgia	64.1	86.2
Azerbaijan	67.8	94.5
Lithuania	59.7	80.6
Moldova	53.8	75.3
Latvia	51.7	72.8
Kyrgyzstan	39.2	59.7
Tajikistan	35.9	54.7
Armenia	39.5	61.5
Turkmenistan	28.9	42.9
Estonia	27.2	40.3
Total	3,734.5	4,863.4
<u>(In percentage shares of total quotas) <u>3/</u></u>		
Russia	2.413	2.994
Ukraine	0.589	0.767
Belarus	0.166	0.224
Uzbekistan	0.124	0.176
Kazakhstan	0.151	0.208
Georgia	0.068	0.090
Azerbaijan	0.072	0.098
Lithuania	0.063	0.084
Moldova	0.057	0.078
Latvia	0.055	0.076
Kyrgyzstan	0.041	0.062
Tajikistan	0.038	0.057
Armenia	0.042	0.064
Turkmenistan	0.031	0.045
Estonia	0.029	0.042
Total	3.936	5.065
<u>Memo Item</u>		
Total (including Switzerland)	3.866	4.977

1/ The ratio of actual to calculated quota used is the average for the group of members with GDP or calculated quota within one-third of the corresponding data for the potential new member.

2/ Ratio for Russia at 0.43.

3/ Excluding Switzerland.

Table 2-C. Illustrative Quota Calculations With Adjusted Ratios  
(Method II, Midpoint of BW and Debt-Sharing Formula)

	Quotas Determined by Applying the Ratio of Actual to Calculated Quota of the Comparator Group to Method II 1/ (1)	Col. (1) Adjusted to Equalize Openness with Average Openness of Comparator Group (2)
<u>(In millions of SDRs)</u>		
Russia	2,257.9 2/	2,835.5
Ukraine	567.3	747.8
Belarus	161.3	219.3
Uzbekistan	122.8	175.8
Kazakhstan	146.6	205.2
Georgia	66.5	89.5
Azerbaijan	69.7	97.1
Lithuania	61.5	83.1
Moldova	56.5	79.1
Latvia	52.6	74.0
Kyrgyzstan	42.0	64.0
Tajikistan	37.7	57.4
Armenia	40.7	63.3
Turkmenistan	30.4	45.1
Estonia	27.7	41.1
Total	3,741.2	4,877.4
<u>(In percentage shares of total quotas) 3/</u>		
Russia	2.379	2.953
Ukraine	0.598	0.779
Belarus	0.170	0.228
Uzbekistan	0.129	0.183
Kazakhstan	0.154	0.214
Georgia	0.070	0.093
Azerbaijan	0.073	0.101
Lithuania	0.065	0.087
Moldova	0.060	0.082
Latvia	0.055	0.077
Kyrgyzstan	0.044	0.067
Tajikistan	0.040	0.060
Armenia	0.043	0.066
Turkmenistan	0.032	0.047
Estonia	0.029	0.043
Total	3.943	5.079
<u>Memo Item</u>		
Total (including Switzerland)	3.873	4.991

1/ The ratio of actual to calculated quota used is the average for the group of members with GDP or calculated quota within one-third of the corresponding data for the potential new member.

2/ Ratio for Russia at 0.43.

3/ Excluding Switzerland.