August 13, 1990

CIRCULAR LETTER NO. 1542

To All Members and Subscribers of the Bureau:

ITEM R-1257 UPDATE TO EXPECTED LOSS RANGES
FOR ENTRY INTO THE TABLE OF INSURANCE CHARGES

The Division of Insurance has approved the above Item, adopted by our committees, to become effective 12:01 A.M., September 1, 1990, applicable to new and renewal business.

This Item amends Part Four-B of the Retrospective Rating Plan Manual to update the Table of Expected Loss Ranges for Entry into the Table of Insurance Charges used for calculating Retrospective Rating Plan Values and revises Tables of Compensation Expense Ratios Non-Stock and Stock Carriers, Excluding Taxes and Including Profit and Contingencies. Refer to EXHIBITS I and II.

There is a consequential change in the Table of Rating Values for Rating Options I, II, III and IV. Refer to EXHIBIT III.

Also, the tax multiplier has been increased to reflect the premium for the insolvency fund assessment.

This Item incorporates the effect of the All Risk Adjustment Plan (ARAP) on the retrospective rating plans. Refer to EXHIBIT IV.

Circular Letter No. 1543 dated August 13, 1990 contains updated Excess Loss Factors which were approved concurrently.

The National Council will distribute reprinted manual pages.

NORMAN R. FONTAINE
Vice President

NRF/jd

Attachments

Exhibit I , Page 1

Expected Loss Group Ranges

Expected Loss Group	Current Expected Loss Ranges Effective 7/1/89			Expected Loss Ranges Effective 9/1/90		
99	0	-	26	0	-	29
98	27	-	64	30	-	70
97	65	-	119	72	-	131
96	120	-	194	132	-	214
95	195	-	288	215	-	317
94	289	-	401	318	-	442
93	402	-	529	443	-	582
92	530	-	683	584	-	752
91	684	-	856	753	-	942
90	857	-	1,051	944	-	1,157
89	1,052	-	1,268	1,158	-	1,396
88	1,269	-	1,513	1,397	-	1,666
87	1,514	-	1,780	1,667	-	1,960
86	1,781	-	2,078	1,961	-	2,288
85	2,079	-	2,404	2,289	-	2,647
84	2,405	-	2,757	2,648	-	3,035
83	2,758	-	3,144	3,037	-	3,462
82	3,145	-	3,565	3,463	-	3,925
81	3,566	-	4,018	3,926	-	4,424
80	4,019	-	4,512	4,425	-	4,968
79	4,513	-	5,045	4,969	-	5,555
78	5,046	-	5,619	5,556	-	6,187
77	5,620	-	6,239	6,188	-	6,869
76	6,240	-	6,904	6,870	-	7,601
75	6,905	-	7,622	7,602	-	8,392
74	7,623	-	8,391	8,393	-	9,238
73	8,392	-	9,218	9,240	-	10,149
72	9,219	-	10,105	10,150	-	11,126
71	10,106	-	11,055	11,127	-	12,172
70	11,056	-	12,077	12,173	-	13,297
69	12,078	-	13,167	13,298	-	14,497
68	13,168	-	14,338	14,498	-	15,786
67	14,339	-	15,588	15,787	-	17,162
66	15,589	-	16,931	17,163	-	18,641
65	16,932	-	18,366	18,642	-	20,221
64	18,367	-	19,902	20,222	-	21,912
63	19,903	-	21,547	21,913	-	23,723
62	21,548	-	23,309	23,724	-	25,663
61	23,310	-	25,199	25,664	-	27,744
60	25,200	-	27,219	27,745	-	29,968
59	27,220	-	29,383	29,969	-	32,351
58	29,384	-	31,704	32,352	-	34,906
57	31,705	-	34,192	34,907	-	37,645
56	34,193	-	36,859	37,646	-	40,582
55	36,860	-	39,726	40,583	-	43,738

Exhibit I , Page 2

Expected Loss Group Ranges

Expected Loss Group	Current Expected Loss Ranges Effective 7/1/89			Expected Loss Ranges Effective 9/1/90		
54	39,727	-	42,799	43,739	-	47,122
53	42,800	-	46,101	47,123	-	50,757
52	46,102	-	49,650	50,758	-	54,665
51	49,651	-	53,470	54,666	-	58,870
50	53,471	-	57,581	58,872	-	63,397
49	57,582	-	62,010	63,398	-	68,273
48	62,011	-	66,784	68,274	-	73,529
47	66,785	-	71,938	73,530	-	79,204
46	71,939	-	77,505	79,205	-	85,333
45	77,506	-	83,528	85,334	-	91,964
44	83,529	-	90,045	91,965	-	99,140
43	90,046	-	97,112	99,141	-	106,920
42	97,113	-	104,783	106,921	-	115,366
41	104,784	-	113,118	115,367	-	124,543
40	113,119	-	122,191	124,544	-	134,532
39	122,192	-	132,082	134,533	-	145,422
38	132,083	-	143,274	145,423	-	157,745
37	143,275	-	164,343	157,746	-	180,942
36	164,344	-	188,819	180,943	-	207,890
35	188,820	-	217,320	207,891	-	239,269
34	217,321	-	250,611	239,270	-	275,923
33	250,612	-	289,620	275,924	-	318,872
32	289,621	-	335,477	318,873	-	369,360
31	335,478	-	389,588	369,361	-	428,936
30	389,589	-	453,679	428,937	-	499,501
29	453,680	-	529,923	499,502	-	583,445
28	529,924	-	621,037	583,446	-	683,762
27	621,038	-	730,452	683,763	-	804,228
26	730,453	-	862,565	804,229	-	949,684
25	862,566	-	1,023,002	949,685	-	1,126,325
24	1,023,003	-	1,219,091	1,126,326	-	1,342,219
23	1,219,092	-	1,460,408	1,342,220	-	1,607,909
22	1,460,409	-	1,759,658	1,607,910	-	1,937,383
21	1,759,659	-	2,133,858	1,937,385	-	2,349,378
20	2,133,859	-	2,606,103	2,349,379	-	2,869,319
19	2,606,104	-	3,208,184	2,869,321	-	3,532,211
18	3,208,185	-	3,984,593	3,532,212	-	4,387,037
17	3,984,594	-	4,998,575	4,387,038	-	5,503,431
16	4,998,576	-	6,341,936	5,503,432	-	6,982,472
15	6,341,937	-	8,150,704	6,982,473	-	8,973,925
14	8,150,705	-	10,631,660	8,973,926	-	11,705,458
13	10,631,661	-	14,107,971	11,705,459	-	15,532,876
12	14,107,972	-	19,101,285	15,532,877	-	21,030,515
11	19,101,286	-	26,486,647	21,030,516	-	29,161,798
10	26,486,648	-	37,798,222	29,161,799	-	41,615,842

Exhibit I , Page 3

Expected Loss Group Ranges

Expected Loss Group	Current Expected Loss Ranges Effective 7/1/89		Expected Loss Ranges Effective 9/1/90	
9	37,798,223	- 55,875,786	41,615,844	- 61,519,240
8	55,875,787	- 86,331,088	61,519,241	- 95,050,528
7	86,331,089	-141,211,012	95,050,529	-155,473,324
6	141,211,013	-249,274,184	155,473,325	-274,450,877
5	249,274,185	-and over	274,450,878	-and over

TABLE OF COMPENSATION EXPENSE RATIOS
STOCK CARRIERS
EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES

STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR		EXPENSE RATIO	STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR		EXPENSE RATIO	STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR		EXPENSE RATIO
0 -	5,025	.171	8,280 -	8,419	.131	24,654 -	25,935	.091
5,026 -	5,076	.170	8,420 -	8,563	.130	25,936 -	27,358	.090
5,077 -	5,128	.169	8,564 -	8,713	.129	27,359 -	28,947	.089
5,129 -	5,181	.168	8,714 -	8,868	.128	28,948 -	30,731	.088
5,182 -	5,236	.167	8,869 -	9,028	.127	30,732 -	32,749	.087
5,237 -	5,291	.166	9,029 -	9,195	.126	32,750 -	35,051	.086
5,292 -	5,348	.165	9,196 -	9,368	.125	35,052 -	37,701	.085
5,349 -	5,406	.164	9,369 -	9,547	.124	37,702 -	40,785	.084
5,407 -	5,465	.163	9,548 -	9,733	.123	40,786 -	44,419	.083
5,466 -	5,526	.162	9,734 -	9,927	.122	44,420 -	48,763	.082
5,527 -	5,588	.161	9,928 -	10,129	.121	48,764 -	54,048	.081
5,589 -	5,651	.160	10,130 -	10,339	.120	54,049 -	60,619	.080
5,652 -	5,716	.159	10,340 -	10,558	.119	60,620 -	69,009	.079
5,717 -	5,782	.158	10,559 -	10,786	.118	69,010 -	80,094	.078
5,783 -	5,850	.157	10,787 -	11,025	.117	80,095 -	95,421	.077
5,851 -	5,920	.156	11,026 -	11,274	.116	95,422 -	103,846	.076
5,921 -	5,991	.155	11,275 -	11,535	.115	103,847 -	109,376	.075
5,992 -	6,064	.154	11,536 -	11,808	.114	109,377 -	115,528	.074
6,065 -	6,138	.153	11,809 -	12,095	.113	115,529 -	122,413	.073
6,139 -	6,215	.152	12,096 -	12,395	.112	122,414 -	130,171	.072
6,216 -	6,293	.151	12,396 -	12,711	.111	130,172 -	138,979	.071
6,294 -	6,374	.150	12,712 -	13,044	.110	138,980 -	149,065	.070
6,375 -	6,456	.149	13,045 -	13,394	.109	149,066 -	160,730	.069
6,457 -	6,541	.148	13,395 -	13,764	.108	160,731 -	174,375	.068
6,542 -	6,628	.147	13,765 -	14,155	.107	174,376 -	190,552	.067
6,629 -	6,717	.146	14,156 -	14,568	.106	190,553 -	210,038	.066
6,718 -	6,809	.145	14,569 -	15,007	.105	210,039 -	233,963	.065
6,810 -	6,903	.144	15,008 -	15,473	.104	233,964 -	264,039	.064
6,904 -	7,000	.143	15,474 -	15,968	.103	264,040 -	302,989	.063
7,001 -	7,100	.142	15,969 -	16,496	.102	302,990 -	355,418	.062
7,101 -	7,202	.141	16,497 -	17,061	.101	355,419 -	429,788	.061
7,203 -	7,308	.140	17,062 -	17,665	.100	429,789 -	508,122	.060
7,309 -	7,417	.139	17,666 -	18,314	.099	508,123 -	534,521	.059
7,418 -	7,529	.138	18,315 -	19,013	.098	534,522 -	563,814	.058
7,530 -	7,644	.137	19,014 -	19,766	.097	563,815 -	596,504	.057
7,645 -	7,763	.136	19,767 -	20,582	.096	596,505 -	633,217	.056
7,764 -	7,886	.135	20,583 -	21,468	.095	633,218 -	674,747	.055
7,887 -	8,013	.134	21,469 -	22,434	.094	674,748 -	722,106	.054
8,014 -	8,144	.133	22,435 -	23,491	.093	722,107 -	776,615	.053
8,145 -	8,279	.132	23,492 -	24,653	.092	776,616 -	840,025	.052

TABLE OF COMPENSATION EXPENSE RATIOS
STOCK CARRIERS
EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES

STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR	EXPENSE RATIO	STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR	EXPENSE RATIO	STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR	EXPENSE RATIO
840,026 – 914,711	.051	1,419,555 – 1,646,774	.046	4,577,652 – 8,247,158	.041
914,712 – 1,003,973	.050	1,646,775 – 1,960,596	.045	8,247,159 – 41,571,164	.040
1,003,974 – 1,112,540	.049	1,960,597 – 2,422,186	.044	41,571,165 AND OVER	.039
1,112,541 – 1,247,434	.048	2,422,187 – 3,168,051	.043		
1,247,435 – 1,419,554	.047	3,168,052 – 4,577,651	.042		

ABOVE TABLE BASED ON THE
FOLLOWING DISCOUNTS

FIRST	5,000	.0
NEXT	95,000	10.9
NEXT	400,000	12.6
OVER	500,000	14.4

TABLE OF COMPENSATION EXPENSE RATIOS
NON-STOCK CARRIERS
EXCLUDING TAXES AND INCLUDING PROFIT AND CONTINGENCIES

STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR	EXPENSE RATIO	STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR	EXPENSE RATIO	STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR	EXPENSE RATIO
0 - 5,079	.171	21,286 - 24,549	.146	734,439 - 788,664	.121
5,080 - 5,245	.170	24,550 - 28,995	.145	788,665 - 851,537	.120
5,246 - 5,423	.169	28,996 - 35,407	.144	851,538 - 925,302	.119
5,424 - 5,613	.168	35,408 - 45,460	.143	925,303 - 1,013,059	.118
5,614 - 5,817	.167	45,461 - 63,486	.142	1,013,060 - 1,119,206	.117
5,818 - 6,036	.166	63,487 - 100,519	.141	1,119,207 - 1,250,200	.116
6,037 - 6,273	.165	100,520 - 107,575	.140	1,250,201 - 1,415,923	.115
6,274 - 6,529	.164	107,576 - 115,696	.139	1,415,924 - 1,632,296	.114
6,530 - 6,806	.163	115,697 - 125,144	.138	1,632,297 - 1,926,726	.113
6,807 - 7,109	.162	125,145 - 136,273	.137	1,926,727 - 2,350,750	.112
7,110 - 7,439	.161	136,274 - 149,573	.136	2,350,751 - 3,014,069	.111
7,440 - 7,801	.160	149,574 - 165,751	.135	3,014,070 - 4,198,885	.110
7,802 - 8,201	.159	165,752 - 185,852	.134	4,198,886 - 6,918,518	.109
8,202 - 8,644	.158	185,853 - 211,503	.133	6,918,519 - 19,638,351	.108
8,645 - 9,137	.157	211,504 - 245,367	.132	19,638,352 AND OVER	.107
9,138 - 9,690	.156	245,368 - 292,142	.131		
9,691 - 10,315	.155	292,143 - 360,952	.130		
10,316 - 11,025	.154	360,953 - 472,163	.129		
11,026 - 11,840	.153	472,164 - 519,940	.128		
11,841 - 12,786	.152	519,941 - 546,544	.127		
12,787 - 13,896	.151	546,545 - 576,016	.126		
13,897 - 15,216	.150	576,017 - 608,849	.125		
15,217 - 16,814	.149	608,850 - 645,651	.124		
16,815 - 18,787	.148	645,652 - 687,189	.123		
18,788 - 21,285	.147	687,190 - 734,438	.122		

ABOVE TABLE BASED ON THE
FOLLOWING DISCOUNTS

FIRST	5,000	.0
NEXT	95,000	3.5
NEXT	400,000	5.0
OVER	500,000	7.0

EXHIBIT III

TABLE   OF   RATING   VALUES

ONE YEAR PLAN - I
TABLE OF RATING VALUES

RATING FORMULA:
      RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
      EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
      X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
      FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.
NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE 77
      PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.
LOSS CONVERSION FACTOR = 1.105;   TAX MULTIPLIER = 1.093.
*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.
**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.
*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN I NO SURCHARGE PLAN (MAX. PREM. = STD. PREM. X ARAP ADJUSTMENT FACTOR) (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS				
					LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
25,000	69.1	82.6		1.065					
27,500	68.3	81.8		1.066					
30,000	67.7	81.0		1.068					
32,500	67.2	80.2		1.069					
35,000	66.8	79.4		1.070					
37,500	66.4	78.6		1.071					
40,000	65.9	78.0		1.072					
42,500	65.5	77.4		1.072					
45,000	64.9	76.9		1.073					
47,500	64.4	76.4		1.073					
50,000	63.9	76.0		1.074					
52,500	63.3	75.6		1.074					
55,000	62.9	75.2		1.075					
57,500	62.3	74.9		1.075					
60,000	62.0	74.4		1.075					
62,500	61.6	74.0		1.076					
65,000	61.2	73.6		1.076					
67,500	60.8	73.2		1.076					
70,000	60.4	72.8		1.076					
72,500	60.1	72.4		1.077					

| | PLAN I | | | | EXCESS LOSS ADJUSTMENT AMOUNTS | | | | |
| STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES) | (MAX. PREM. = STD. PREM. X ARAP ADJUSTMENT FACTOR) (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR) | | | NON STOCK ADJUSTMENT | LOSS LIMITS | | | | |
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM	FACTOR	25,000	50,000	100,000	200,000	250,000
75,000	59.7	72.0		1.077					
80,000	59.0	71.3		1.077					
85,000	58.3	70.7		1.078					
90,000	57.6	70.1		1.078					
95,000	57.0	69.4		1.078					
100,000	56.3	69.0		1.078	.355				
105,000	55.5	68.4		1.079	.351	.242			
110,000	54.7	67.8		1.079	.348	.238			
115,000	53.9	67.2		1.080	.344	.235			
120,000	53.1	66.6		1.080	.340	.232			
125,000	52.4	66.0		1.080	.336	.228			
130,000	51.7	65.3		1.080	.333	.226			
135,000	51.1	64.7		1.081	.329	.222			
140,000	50.5	64.0		1.081	.325	.219			
145,000	50.0	63.4		1.081	.322	.217			
150,000	49.5	62.8		1.081	.320	.214			
162,500	48.3	61.6		1.082	.316	.210			
175,000	47.2	60.4		1.082	.312	.206			
187,500	46.1	59.3		1.082	.309	.204			
200,000	45.1	58.2		1.083	.306	.200	.131		
212,500	44.2	57.0		1.083	.302	.196	.130		
225,000	43.7	55.8		1.083	.298	.192	.129		
237,500	43.2	54.8		1.083	.294	.188	.128		
250,000	42.8	53.8		1.083	.291	.186	.126		
262,500	42.3	53.0		1.084	.289	.182	.125		
275,000	41.8	52.2		1.084	.285	.178	.125		
287,500	41.3	51.3		1.084	.281	.175	.124		
300,000	40.9	50.5		1.084	.277	.171	.122		
312,500	40.4	50.0		1.084	.275	.168	.121		
325,000	40.0	49.5		1.084	.271	.165	.120		

ONE YEAR PLAN - I
TABLE OF RATING VALUES

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN I NO SURCHARGE PLAN (MAX. PREM. = STD. PREM. X ARAP ADJUSTMENT FACTOR) (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR) BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM	NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS 25,000	50,000	100,000	200,000	250,000
337,500	39.6	49.0		1.084	.267	.162	.119		
350,000	39.2	48.6		1.084	.263	.159	.117		
362,500	38.8	48.2		1.085	.259	.155	.116		
375,000	38.4	47.8		1.085	.257	.152	.115		
387,500	38.0	47.4		1.085	.253	.148	.113		
400,000	37.7	47.0		1.085	.249	.144	.112	.076	
412,500	37.3	46.7		1.085	.245	.142	.111	.075	
425,000	37.0	46.4		1.085	.242	.138	.110	.073	
437,500	36.7	46.1		1.085	.238	.134	.108	.073	
450,000	36.4	45.8		1.085	.236	.131	.107	.073	
462,500	36.1	45.6		1.085	.233	.129	.106	.071	
475,000	35.8	45.4		1.085	.231	.125	.104	.071	
487,500	35.5	45.2		1.085	.227	.122	.103	.071	
500,000	35.2	45.0		1.085	.224	.120	.102	.070	.054

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

ONE YEAR PLAN - II
TABLE OF RATING VALUES

RATING FORMULA:

RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.

NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.

LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.

*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.

**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.

*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN II WITH SURCHARGES			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS				
	(PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)				LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
25,000	53.9	63.8	148.0	1.065					
27,500	52.2	63.2	147.4	1.066					
30,000	50.9	62.4	146.8	1.068					
32,500	49.6	61.8	146.2	1.069					
35,000	48.7	61.0	145.6	1.070					
37,500	47.6	60.5	145.0	1.071					
40,000	46.7	59.9	144.4	1.072					
42,500	46.0	59.1	143.8	1.072					
45,000	45.1	58.7	143.2	1.073					
47,500	44.6	58.0	142.6	1.073					
50,000	44.0	57.4	142.0	1.074					
52,500	43.2	57.0	141.8	1.074					
55,000	42.6	56.6	141.5	1.075					
57,500	41.9	56.2	141.3	1.075					
60,000	41.3	55.8	141.0	1.075					
62,500	40.8	55.4	140.8	1.076					
65,000	40.3	55.0	140.5	1.076					
67,500	39.8	54.7	140.3	1.076					
70,000	39.3	54.4	140.0	1.076					
72,500	38.8	54.1	139.8	1.077					

ONE YEAR PLAN - II
TABLE OF RATING VALUES

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN II WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
75,000	38.4	53.8	139.5	1.077					
80,000	37.5	53.7	138.6	1.077					
85,000	36.7	53.5	137.7	1.078					
90,000	36.0	53.4	136.8	1.078					
95,000	35.4	53.2	135.9	1.078					
100,000	34.9	53.0	135.0	1.078	.248				
105,000	34.5	52.3	134.1	1.079	.245	.192			
110,000	34.1	51.6	133.4	1.079	.242	.190			
115,000	33.7	50.9	132.7	1.080	.241	.187			
120,000	33.3	50.2	132.0	1.080	.238	.186			
125,000	33.0	49.5	131.3	1.080	.236	.184			
130,000	32.7	48.8	130.6	1.080	.235	.182			
135,000	32.5	48.2	129.9	1.081	.232	.179			
140,000	32.2	47.6	129.2	1.081	.231	.177			
145,000	32.0	47.0	128.5	1.081	.228	.175			
150,000	31.8	46.4	127.8	1.081	.226	.173			
162,500	31.2	46.1	125.9	1.082	.224	.170			
175,000	30.7	45.5	124.2	1.082	.222	.169			
187,500	30.3	45.1	122.6	1.082	.219	.168			
200,000	30.1	44.5	121.0	1.083	.218	.165	.115		
212,500	29.6	44.1	120.1	1.083	.215	.162	.113		
225,000	29.5	43.6	119.3	1.083	.213	.161	.112		
237,500	29.5	43.3	118.4	1.083	.210	.159	.111		
250,000	29.5	43.0	117.5	1.083	.208	.156	.110		
262,500	29.5	42.6	116.6	1.084	.206	.153	.108		
275,000	29.5	42.2	115.8	1.084	.204	.152	.107		
287,500	29.5	41.8	114.9	1.084	.202	.150	.106		
300,000	29.5	41.3	114.0	1.084	.200	.148	.104		
312,500	29.5	41.0	113.6	1.084	.197	.146	.103		
325,000	***	***	***	***	***	***	***		

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

ONE YEAR PLAN - III
TABLE OF RATING VALUES

RATING FORMULA:

    RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
    EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
    X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
    FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.

NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
      PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.

LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.

*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.

**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.

*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN III WITH SURCHARGES NO SPECIFIED MIN. PREMIUM (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR) BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM	NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS 25,000	50,000	100,000	200,000	250,000
25,000	55.7		148.0	1.065					
27,500	54.4		147.4	1.066					
30,000	53.2		146.8	1.068					
32,500	52.2		146.2	1.069					
35,000	51.2		145.6	1.070					
37,500	50.3		145.0	1.071					
40,000	49.4		144.4	1.072					
42,500	48.7		143.8	1.072					
45,000	47.9		143.2	1.073					
47,500	47.3		142.6	1.073					
50,000	46.6		142.0	1.074					
52,500	45.9		141.8	1.074					
55,000	45.3		141.5	1.075					
57,500	44.6		141.3	1.075					
60,000	44.0		141.0	1.075					
62,500	43.5		140.8	1.076					
65,000	42.9		140.5	1.076					
67,500	42.4		140.3	1.076					
70,000	41.9		140.0	1.076					
72,500	41.4		139.8	1.077					

ONE YEAR PLAN - III
TABLE OF RATING VALUES

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN III WITH SURCHARGES NO SPECIFIED MIN. PREMIUM (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
75,000	40.9		139.5	1.077					
80,000	40.2		138.6	1.077					
85,000	39.5		137.7	1.078					
90,000	38.9		136.8	1.078					
95,000	38.3		135.9	1.078					
100,000	37.7		135.0	1.078	.271				
105,000	37.2		134.1	1.079	.268	.208			
110,000	36.6		133.4	1.079	.266	.206			
115,000	36.0		132.7	1.080	.264	.205			
120,000	35.5		132.0	1.080	.262	.204			
125,000	35.0		131.3	1.080	.260	.201			
130,000	34.6		130.6	1.080	.258	.199			
135,000	34.2		129.9	1.081	.255	.197			
140,000	33.8		129.2	1.081	.254	.196			
145,000	33.4		128.5	1.081	.251	.193			
150,000	33.1		127.8	1.081	.249	.192			
162,500	32.5		125.9	1.082	.246	.190			
175,000	31.9		124.2	1.082	.244	.187			
187,500	31.4		122.6	1.082	.241	.186			
200,000	31.1		121.0	1.083	.240	.183	.126		
212,500	30.5		120.1	1.083	.238	.180	.125		
225,000	30.3		119.3	1.083	.236	.179	.124		
237,500	30.2		118.4	1.083	.233	.177	.122		
250,000	30.1		117.5	1.083	.231	.175	.121		
262,500	30.1		116.6	1.084	.229	.174	.120		
275,000	30.0		115.8	1.084	.227	.171	.117		
287,500	30.0		114.9	1.084	.226	.169	.116		
300,000	30.0		114.0	1.084	.224	.168	.113		
312,500	29.9		113.6	1.084	.222	.166	.112		
325,000	29.6		113.3	1.084	.220	.165	.110		

ONE YEAR PLAN - III
TABLE OF RATING VALUES

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN III WITH SURCHARGES NO SPECIFIED MIN. PREMIUM (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
337,500	29.5		112.9	1.084	.218	.162	.108		
350,000	29.3		112.5	1.084	.215	.160	.107		
362,500	29.2		112.1	1.085	.214	.159	.106		
375,000	29.0		111.8	1.085	.211	.156	.104		
387,500	29.0		111.4	1.085	.209	.153	.103		
400,000	28.9		111.0	1.085	.206	.151	.101	.075	
412,500	28.6		110.9	1.085	.205	.148	.099	.075	
425,000	28.3		110.9	1.085	.202	.146	.098	.075	
437,500	28.1		110.8	1.085	.200	.143	.097	.075	
450,000	27.8		110.8	1.085	.197	.141	.095	.075	
462,500	27.6		110.7	1.085	.195	.139	.094	.075	
475,000	27.4		110.6	1.085	.192	.138	.093	.075	
487,500	27.2		110.6	1.085	.190	.135	.092	.075	
500,000	27.0		110.5	1.085	.187	.133	.090	.073	.062

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

ONE YEAR PLAN - IV
TABLE OF RATING VALUES

RATING FORMULA:
      RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
      EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
      X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
      FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.
NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
      PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.
LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.
*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.
**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.
*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN IV WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
25,000	58.3	70.7	126.5	1.065					
27,500	57.1	69.8	126.2	1.066					
30,000	56.1	68.9	125.9	1.068					
32,500	55.3	68.0	125.6	1.069					
35,000	54.4	67.2	125.3	1.070					
37,500	53.7	66.4	125.0	1.071					
40,000	53.0	65.6	124.7	1.072					
42,500	52.4	64.8	124.4	1.072					
45,000	51.8	64.1	124.1	1.073					
47,500	51.3	63.4	123.8	1.073					
50,000	50.8	62.7	123.5	1.074					
52,500	50.1	62.3	123.4	1.074					
55,000	49.4	61.9	123.2	1.075					
57,500	49.0	61.4	122.9	1.075					
60,000	48.6	60.9	122.6	1.075					
62,500	48.2	60.4	122.3	1.076					
65,000	48.0	59.9	121.9	1.076					
67,500	47.6	59.4	121.6	1.076					
70,000	47.3	59.0	121.3	1.076					
72,500	47.0	58.6	120.9	1.077					

ONE YEAR PLAN - IV
TABLE OF RATING VALUES

ONE YEAR STANDARD X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN IV WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS — LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
75,000	46.7	58.2	120.6	1.077					
80,000	45.8	58.0	120.1	1.077					
85,000	45.3	57.1	119.6	1.078					
90,000	44.6	56.8	119.2	1.078					
95,000	44.0	56.3	118.7	1.078					
100,000	43.5	55.9	118.2	1.078	.295				
105,000	42.8	55.2	117.8	1.079	.293	.215			
110,000	42.2	54.6	117.4	1.079	.290	.213			
115,000	41.6	54.0	117.0	1.080	.287	.210			
120,000	41.1	53.4	116.6	1.080	.286	.209			
125,000	40.6	52.8	116.2	1.080	.284	.206			
130,000	40.1	52.2	115.8	1.080	.282	.204			
135,000	39.7	51.7	115.4	1.081	.281	.201			
140,000	39.3	51.2	115.0	1.081	.278	.200			
145,000	39.0	50.7	114.6	1.081	.276	.199			
150,000	38.7	50.2	114.2	1.081	.275	.197			
162,500	37.9	49.8	113.2	1.082	.272	.196			
175,000	37.3	49.0	112.2	1.082	.269	.193			
187,500	36.8	48.6	111.3	1.082	.267	.191			
200,000	36.2	48.1	110.5	1.083	.264	.190	.130		
212,500	35.5	47.7	110.1	1.083	.263	.188	.129		
225,000	35.3	47.2	109.6	1.083	.262	.186	.128		
237,500	35.1	46.9	109.2	1.083	.259	.184	.125		
250,000	34.8	46.6	108.8	1.083	.257	.182	.124		
262,500	34.7	46.3	108.3	1.084	.254	.179	.122		
275,000	34.5	46.0	107.9	1.084	.251	.177	.121		
287,500	34.4	45.6	107.4	1.084	.249	.175	.119		
300,000	34.3	45.2	107.0	1.084	.248	.173	.117		
312,500	34.0	44.9	106.8	1.084	.246	.171	.116		
325,000	33.8	44.6	106.6	1.084	.244	.169	.115		

ONE YEAR PLAN - IV
TABLE OF RATING VALUES

ONE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN IV WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
337,500	33.5	44.4	106.4	1.084	.241	.166	.113		
350,000	33.2	44.2	106.3	1.084	.238	.164	.111		
362,500	33.0	44.1	106.1	1.085	.237	.161	.108		
375,000	32.8	44.0	105.9	1.085	.235	.159	.106		
387,500	32.6	44.0	105.7	1.085	.232	.157	.103		
400,000	32.4	44.0	105.5	1.085	.229	.155	.101	.072	
412,500	32.1	43.5	105.5	1.085	.227	.153	.098	.072	
425,000	31.9	43.5	105.4	1.085	.226	.151	.097	.072	
437,500	31.6	43.5	105.4	1.085	.223	.148	.095	.072	
450,000	31.3	43.5	105.4	1.085	.220	.146	.093	.071	
462,500	31.1	43.5	105.3	1.085	.219	.143	.090	.071	
475,000	30.8	43.0	105.3	1.085	.217	.141	.088	.071	
487,500	30.6	43.0	105.2	1.085	.214	.139	.086	.070	
500,000	30.4	43.0	105.2	1.085	.213	.138	.085	.070	.055

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

THREE YEAR PLAN - I
TABLE OF RATING VALUES

RATING FORMULA:

RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.
NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.
LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.
*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.
**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.
*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN I NO SURCHARGE PLAN (MAX. PREM. = STD. PREM. X ARAP ADJUSTMENT FACTOR) (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
50,000	68.5	79.5		1.056					
52,500	67.7	79.1		1.057					
55,000	66.9	78.7		1.058					
57,500	66.0	78.4		1.059					
60,000	65.4	77.9		1.060					
62,500	64.8	77.5		1.061					
65,000	64.2	77.1		1.062					
67,500	63.6	76.7		1.063					
70,000	63.1	76.3		1.064					
72,500	62.6	75.9		1.064					
75,000	62.2	75.5		1.065					
80,000	61.5	74.3		1.066					
85,000	60.9	73.1		1.067					
90,000	60.4	71.9		1.068					
95,000	59.6	71.1		1.069					
100,000	58.9	70.2		1.069	.348				
105,000	58.2	69.5		1.070	.345	.228			
110,000	57.5	68.8		1.071	.343	.227			
115,000	56.8	68.2		1.071	.342	.226			
120,000	56.1	67.6		1.072	.339	.224			

THREE YEAR PLAN - I
TABLE OF RATING VALUES

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN I NO SURCHARGE PLAN (MAX. PREM. = STD. PREM. X ARAP ADJUSTMENT FACTOR) (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS				
					LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
125,000	55.4	67.0		1.072	.336	.223			
130,000	55.0	65.8		1.072	.334	.222			
135,000	54.4	65.1		1.073	.331	.220			
140,000	53.8	64.5		1.073	.329	.219			
145,000	53.3	63.9		1.074	.326	.218			
150,000	52.8	63.3		1.074	.326	.217			
162,500	51.7	62.1		1.075	.324	.214			
175,000	50.6	60.9		1.075	.322	.213			
187,500	49.5	59.8		1.076	.321	.211			
200,000	48.5	58.7		1.076	.318	.210	.129		
212,500	47.6	57.5		1.077	.316	.209	.128		
225,000	47.1	56.3		1.077	.313	.208	.126		
237,500	46.6	55.3		1.077	.311	.205	.125		
250,000	46.1	54.3		1.078	.309	.204	.125		
262,500	45.6	53.5		1.078	.307	.202	.124		
275,000	45.1	52.7		1.078	.304	.201	.122		
287,500	44.7	51.8		1.078	.302	.200	.121		
300,000	44.2	51.0		1.078	.299	.197	.120		
312,500	43.6	50.5		1.079	.298	.196	.119		
325,000	43.0	50.0		1.079	.295	.193	.117		
337,500	42.5	49.5		1.079	.293	.192	.116		
350,000	42.0	49.0		1.080	.290	.190	.115		
362,500	41.4	48.5		1.080	.287	.188	.113		
375,000	41.0	48.0		1.080	.286	.186	.111		
387,500	40.5	47.5		1.080	.284	.183	.110		
400,000	40.1	47.0		1.081	.281	.180	.108	.073	
412,500	39.7	46.7		1.081	.278	.179	.107	.073	
425,000	39.2	46.4		1.081	.276	.178	.106	.073	
437,500	38.8	46.1		1.081	.275	.175	.104	.073	
450,000	38.5	45.8		1.081	.272	.175	.103	.072	

THREE YEAR PLAN - I
TABLE OF RATING VALUES

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN I NO SURCHARGE PLAN (MAX. PREM. = STD. PREM. X ARAP ADJUSTMENT FACTOR) (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR) BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM	NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS 25,000	50,000	100,000	200,000	250,000
462,500	38.1	45.6		1.081	.271	.174	.102	.072	
475,000	37.8	45.4		1.082	.268	.173	.099	.072	
487,500	37.4	45.2		1.082	.266	.170	.099	.071	
500,000	37.1	45.0		1.082	.263	.169	.097	.071	.058
550,000	36.0	45.0		1.082	.260	.168	.095	.070	.058
600,000	34.9	45.0		1.083	.258	.166	.094	.070	.058
650,000	33.9	45.0		1.083	.255	.165	.093	.070	.058
700,000	33.1	45.0		1.083	.253	.164	.092	.068	.057
750,000	32.3	45.0		1.083	.250	.161	.092	.068	.057

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

THREE YEAR PLAN - II
TABLE OF RATING VALUES

RATING FORMULA:

    RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
    EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
    X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
    FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.

NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
      PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.

LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.

*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.

** THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.

*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN II WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
50,000	44.7	59.6	147.0	1.056					
52,500	43.8	59.4	146.3	1.057					
55,000	43.1	59.0	145.6	1.058					
57,500	42.5	58.6	144.9	1.059					
60,000	41.9	58.3	144.2	1.060					
62,500	41.5	57.9	143.5	1.061					
65,000	40.9	57.7	142.8	1.062					
67,500	40.6	57.3	142.1	1.063					
70,000	40.2	57.1	141.4	1.064					
72,500	39.8	56.9	140.7	1.064					
75,000	39.5	56.6	140.0	1.065					
80,000	38.5	56.2	139.1	1.066					
85,000	37.7	55.9	138.2	1.067					
90,000	36.9	55.6	137.3	1.068					
95,000	36.3	55.3	136.4	1.069					
100,000	35.7	55.0	135.5	1.069	.246				
105,000	35.3	54.5	134.6	1.070	.244	.191			
110,000	34.8	54.1	133.9	1.071	.242	.190			
115,000	34.4	53.7	133.2	1.071	.240	.187			
120,000	33.9	53.4	132.5	1.072	.237	.186			

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN II WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS — LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
125,000	33.8	52.5	131.8	1.072	.235	.184			
130,000	33.7	51.6	131.1	1.072	.232	.183			
135,000	33.6	50.7	130.4	1.073	.231	.182			
140,000	33.4	49.9	129.7	1.073	.228	.180			
145,000	33.3	49.2	129.0	1.074	.226	.179			
150,000	33.1	48.5	128.3	1.074	.224	.178			
162,500	32.5	48.0	126.8	1.075	.223	.177			
175,000	32.1	47.5	125.0	1.075	.220	.175			
187,500	31.7	47.0	123.5	1.076	.218	.175			
200,000	31.5	46.5	122.0	1.076	.215	.174	.113		
212,500	31.1	46.0	121.1	1.077	.213	.171	.112		
225,000	31.0	45.5	120.3	1.077	.211	.170	.111		
237,500	31.0	45.1	119.4	1.077	.209	.169	.110		
250,000	31.0	44.7	118.5	1.078	.206	.168	.108		
262,500	31.0	44.1	117.6	1.078	.204	.166	.107		
275,000	31.0	43.6	116.8	1.078	.202	.165	.106		
287,500	31.0	43.1	115.9	1.078	.200	.162	.104		
300,000	31.0	42.6	115.0	1.078	.197	.161	.103		
312,500	31.0	42.4	114.5	1.079	.195	.159	.102		
325,000	***	***	***	***	***	***	***		

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

THREE YEAR PLAN - III
TABLE OF RATING VALUES

RATING FORMULA:
     RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
     EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
     X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
     FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.
NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
       PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.
LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.
*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.
**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.
*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN III WITH SURCHARGES NO SPECIFIED MIN. PREMIUM (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
50,000	47.8		147.0	1.056					
52,500	47.1		146.3	1.057					
55,000	46.5		145.6	1.058					
57,500	45.9		144.9	1.059					
60,000	45.3		144.2	1.060					
62,500	44.8		143.5	1.061					
65,000	44.3		142.8	1.062					
67,500	43.8		142.1	1.063					
70,000	43.4		141.4	1.064					
72,500	42.9		140.7	1.064					
75,000	42.6		140.0	1.065					
80,000	41.7		139.1	1.066					
85,000	40.9		138.2	1.067					
90,000	40.2		137.3	1.068					
95,000	39.5		136.4	1.069					
100,000	39.0		135.5	1.069	.262				
105,000	38.4		134.6	1.070	.259	.197			
110,000	37.8		133.9	1.071	.257	.196			
115,000	37.3		133.2	1.071	.254	.195			
120,000	36.8		132.5	1.072	.253	.192			

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN III WITH SURCHARGES NO SPECIFIED MIN. PREMIUM (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
125,000	36.4		131.8	1.072	.251	.191			
130,000	36.0		131.1	1.072	.249	.190			
135,000	35.6		130.4	1.073	.246	.188			
140,000	35.2		129.7	1.073	.244	.187			
145,000	34.9		129.0	1.074	.241	.186			
150,000	34.6		128.3	1.074	.238	.183			
162,500	33.9		126.8	1.075	.236	.182			
175,000	33.4		125.0	1.075	.235	.180			
187,500	32.9		123.5	1.076	.232	.179			
200,000	32.5		122.0	1.076	.229	.177	.129		
212,500	32.0		121.1	1.077	.228	.175	.128		
225,000	31.8		120.3	1.077	.226	.175	.126		
237,500	31.7		119.4	1.077	.226	.173	.125		
250,000	31.7		118.5	1.078	.223	.171	.125		
262,500	31.7		117.6	1.078	.220	.170	.124		
275,000	31.6		116.8	1.078	.218	.169	.122		
287,500	31.6		115.9	1.078	.215	.168	.121		
300,000	31.7		115.0	1.078	.213	.165	.120		
312,500	31.5		114.5	1.079	.211	.162	.119		
325,000	31.3		114.0	1.079	.209	.161	.117		
337,500	31.1		113.5	1.079	.206	.160	.116		
350,000	31.0		113.0	1.080	.204	.159	.115		
362,500	30.8		112.5	1.080	.202	.156	.113		
375,000	30.7		112.0	1.080	.200	.155	.112		
387,500	30.7		111.5	1.080	.197	.153	.111		
400,000	30.6		111.0	1.081	.195	.152	.110	.075	
412,500	30.2		111.0	1.081	.192	.151	.108	.075	
425,000	29.9		111.0	1.081	.191	.148	.107	.073	
437,500	29.5		111.0	1.081	.188	.146	.106	.073	
450,000	29.2		111.0	1.081	.186	.144	.104	.073	

THREE YEAR PLAN - III
TABLE OF RATING VALUES

THREE YEAR STANDARD X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN III WITH SURCHARGES NO SPECIFIED MIN. PREMIUM (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR) BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM	NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS 25,000	50,000	100,000	200,000	250,000
462,500	28.9		111.0	1.081	.183	.143	.103	.072	
475.000	28.6		111.0	1.082	.180	.142	.102	.072	
487,500	28.3		111.0	1.082	.178	.141	.101	.071	
500,000	28.0		111.0	1.082	.175	.138	.099	.071	.062
550,000	27.6		110.0	1.082	.175	.137	.098	.071	.062
600,000	26.7		110.0	1.083	.171	.134	.097	.071	.061
650,000	25.9		110.0	1.083	.169	.133	.095	.070	.061
700,000	25.2		110.0	1.083	.166	.131	.094	.070	.059
750,000	24.5		110.0	1.083	.164	.130	.093	.070	.059

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR

RATING FORMULA:

RETROSPECTIVE PREMIUM = (BASIC PREMIUM + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X
EXCESS LOSS PREMIUM FACTOR* X LOSS CONVERSION FACTOR) + (LOSSES X LOSS CONVERSION FACTOR))
X TAX MULTIPLIER + (STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR X RETROSPECTIVE DEVELOPMENT
FACTOR** X LOSS CONVERSION FACTOR X TAX MULTIPLIER), SUBJECT TO MINIMUM AND MAXIMUM PREMIUMS.

NOTE: NON-STOCK COMPANIES APPLY THE NON-STOCK ADJUSTMENT FACTOR, COLUMN (X), TO THE RETROSPECTIVE
PREMIUM SO DETERMINED INCLUDING THE MINIMUM AND MAXIMUM PREMIUMS.

LOSS CONVERSION FACTOR = 1.105; TAX MULTIPLIER = 1.093.

*   THIS FACTOR IS ZERO WHEN COVERAGE IS NOT SUBJECT TO LOSS LIMITATION.

**   THIS FACTOR IS ZERO FOR FOURTH AND SUBSEQUENT ADJUSTMENTS.

*** OPTION NOT AVAILABLE AT THIS PREMIUM SIZE

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN IV WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
50,000	52.7	64.7	126.0	1.056					
52,500	51.7	64.5	125.7	1.057					
55,000	51.1	64.1	125.3	1.058					
57,500	50.5	63.8	124.8	1.059					
60,000	50.0	63.5	124.2	1.060					
62,500	49.6	63.0	123.7	1.061					
65,000	49.2	62.7	123.1	1.062					
67,500	49.0	62.0	122.6	1.063					
70,000	48.8	61.6	122.0	1.064					
72,500	48.5	61.2	121.5	1.064					
75,000	48.4	60.7	120.9	1.065					
80,000	47.4	60.4	120.4	1.066					
85,000	46.6	59.7	119.9	1.067					
90,000	46.0	59.1	119.4	1.068					
95,000	45.3	58.5	118.9	1.069					
100,000	44.8	57.9	118.4	1.069	.294				
105,000	44.2	57.2	118.0	1.070	.293	.210			
110,000	43.6	56.6	117.6	1.071	.291	.208			
115,000	43.1	55.9	117.2	1.071	.289	.206			
120,000	42.7	55.2	116.8	1.072	.286	.205			

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN IV WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
125,000	42.3	54.5	116.4	1.072	.285	.204			
130,000	41.8	53.9	116.0	1.072	.284	.201			
135,000	41.5	53.3	115.6	1.073	.282	.200			
140,000	41.1	52.7	115.2	1.073	.280	.199			
145,000	40.8	52.2	114.8	1.074	.278	.197			
150,000	40.6	51.7	114.4	1.074	.276	.196			
162,500	39.9	50.9	113.5	1.075	.275	.195			
175,000	39.4	50.2	112.5	1.075	.273	.193			
187,500	38.7	49.6	111.8	1.076	.272	.192			
200,000	38.3	49.1	111.0	1.076	.271	.190	.131		
212,500	37.6	48.5	110.6	1.077	.268	.188	.130		
225,000	37.5	47.9	110.1	1.077	.267	.187	.129		
237,500	37.2	47.6	109.7	1.077	.266	.186	.128		
250,000	37.0	47.3	109.3	1.078	.264	.183	.126		
262,500	36.9	46.9	108.8	1.078	.262	.182	.125		
275,000	36.7	46.6	108.4	1.078	.259	.180	.124		
287,500	36.7	46.1	107.9	1.078	.258	.179	.122		
300,000	36.6	45.7	107.5	1.078	.255	.178	.121		
312,500	36.2	45.4	107.3	1.079	.254	.177	.120		
325,000	35.9	45.2	107.0	1.079	.253	.175	.117		
337,500	35.6	45.0	106.8	1.079	.250	.175	.116		
350,000	35.4	44.7	106.5	1.080	.249	.174	.115		
362,500	35.1	44.4	106.3	1.080	.248	.173	.112		
375,000	34.9	44.2	106.0	1.080	.246	.171	.111		
387,500	34.6	44.0	105.8	1.080	.244	.170	.110		
400,000	34.5	44.0	105.5	1.081	.242	.168	.108	.075	
412,500	34.1	43.5	105.5	1.081	.241	.166	.107	.075	
425,000	33.7	43.5	105.5	1.081	.240	.165	.106	.075	
437,500	33.4	43.5	105.5	1.081	.237	.164	.104	.073	
450,000	33.0	43.5	105.5	1.081	.236	.162	.103	.073	

THREE YEAR PLAN - IV
TABLE OF RATING VALUES

THREE YEAR STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR (SEE NOTES)	PLAN IV WITH SURCHARGES (PCT. OF STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR)			NON STOCK ADJUSTMENT FACTOR	EXCESS LOSS ADJUSTMENT AMOUNTS LOSS LIMITS				
	BASIC PREMIUM	MINIMUM PREMIUM	MAXIMUM PREMIUM		25,000	50,000	100,000	200,000	250,000
462,500	32.7	43.5	105.5	1.081	.233	.161	.101	.073	
475,000	32.4	43.0	105.5	1.082	.232	.160	.098	.073	
487,500	32.0	43.0	105.5	1.082	.231	.159	.097	.073	
500,000	31.7	43.0	105.5	1.082	.229	.157	.095	.073	.062
550,000	30.7	43.0	105.4	1.082	.228	.156	.094	.072	.062
600,000	29.8	43.0	105.3	1.083	.226	.155	.093	.072	.061
650,000	29.0	43.0	105.2	1.083	.226	.152	.092	.071	.059
700,000	28.3	43.0	105.1	1.083	.224	.150	.090	.071	.059
750,000	27.6	43.0	105.0	1.083	.223	.148	.089	.070	.058

IF THE EARNED STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR FOR ANY RATING VALUE IS BETWEEN ANY TWO FIGURES IN THE
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR COLUMN, APPLY THE VALUES FOR THE NEXT LOWER
STANDARD PREMIUM X ARAP ADJUSTMENT FACTOR.

Massachusetts Workers' Compensation
Effective September 1, 1990

Expense Provisions Underlying the Proposed
Retrospective Rating Plans

Expected Loss and Loss Adjustment Expense (Adjusted for provision for residual market subsidy)	82.2%*
Acquisition and Field Supervision (Net of Premium Discount)	7.5%
Fixed Expenses (Net of Premium Discount)	2.7%
Premium Discount	10.0%
Premium Taxes (Net of Premium Discount)	2.1%
Profit and Contingencies	-10.7%
Total Expenses	11.6%
Loss Adjustment Expenses (as percent of losses)	10.5%
Expected Loss without Loss Adjustment Expense	74.4%

Tax Multiplier = 1 + 1 - Premium Tax Rate - Provision for Residual Market Subsidy
= 1 + 1 - 2.3% - 5.8%** - .4%*** = 1 + .915 = 1.093

Expenses Excluding Premium Taxes but including LAE = 100%-(74.4%+2.3%+.4%) = 17.1%

Premium Discount Schedule

	Premium Discounts	
Layer of Premium	Stock Companies	Non-Stock Companies
First $ 5,000	0.0%	0.0%
Next 95,000	10.9	3.5
Next 400,000	12.6	5.0
Over 500,000	14.4	7.0

Note: These expense provisions are taken from Section VI-A, Section VIII-A and Section VIII-D of the filing for 1/1/90 rates.

* Expected Loss and Loss Adjustment Expense Ratio for the total market is 100% - 11.6% -.4%*** = 88.0%. For voluntary risks the provision for the residual market subsidy is subtracted. 82.2% = 88.0% - 5.8%.

** Provision for the residual market subsidy taken from Section IX-E of the filing for 1/1/90 rates (revised).

*** Provision for insolvency fund assessment is .5% of the 1/1/89 rate. Current rates are 26.2% higher on average than 1/1/89 rates. Thus the provision for the insolvency fund assessment is .5% ÷ 1.262 = .4%.

Interaction of All Risk Adjustment Program with Retrospective Rating

As explained in Circular Letter No. 1531, the Retrospective Rating Formula is changed to recognize the All Risk Adjustment Program (ARAP) as follows:

Retrospective Premium = (Basic Premium + (Standard Premium x ARAP Adjustment Factor x Excess Loss Premium Factor x Loss Conversion Factor) + Losses x Loss Conversion Factor) x Tax Multiplier + (Standard Premium x ARAP Adjustment Factor x Retrospective Development Factor x Loss Conversion Factor x Tax Multiplier), subject to Minimum and Maximum Premiums.

In effect, when calculating a Retrospective Rating, the Standard Premium is modified by the ARAP Adjustment Factor at each step in the process, i.e. Multiply the Standard Premium x the ARAP Adjustment Factor when:

a. entering the Table of Expense Ratios

b. determining the Basic premium

c. applying the Expense Ratio

d. entering the Table of Insurance Charges

e. determining the Minimum and Maximum Premiums

f. determining a charge for Loss Limitation, etc.