

COMMONWEALTH AUTOMOBILE REINSURERS

SCHEDULE 107 Rating Components

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Commonwealth Automobile Reinsurers

2003 CAR
Schedule 107-1
Page 1

Trucks, Tractors, and Trailers
Liability Coverages for Which Rates Vary by Territory

Coverage	(1)	(2)	(3)		(4)	(5)	(6)	(7)	
	Average Loss Pure Premium (Form 100)	Territory Relativity (100K)	Fleet/ Non-Fleet Differential (100K)	Non-Fleet	Company Expense Pure Premium (Form 100)	Variable Expense Factor*	20/40 Increased Limits Factor (Form 100)	Final Base Rates***	
			Fleet	Non-Fleet		(Form 100)	(Form 100)	Fleet	Non-Fleet
A-1 & B**	317.67				39.55	0.9089	1.00		
Territory:									
1		0.6069	0.9779	1.0172				251	259
2		0.6869	0.9908	1.0076				281	285
3		0.7703	0.9757	1.0196				306	318
4		0.8424	0.9723	1.0252				330	345
5		0.8871	0.9820	1.0147				348	358
6		0.9214	0.9824	1.0137				360	370
7		1.0031	0.9713	1.0289				384	404
8		1.2285	0.9854	1.0170				467	480
9		1.2143	0.9818	1.0189				460	476
10		1.0452	0.9811	1.0220				402	417
11		1.2240	0.9711	1.0305				459	484
12		1.3491	0.9719	1.0268				502	528
13		1.4259	0.9860	1.0183				535	551
14		1.4612	0.9597	1.0322				534	571
15		1.5716	0.9729	1.0348				578	612
16		1.7196	0.9934	1.0103				641	651
17-26		4.4443	0.9489	1.0712				1517	1707
27		0.5039	0.9671	1.0255				214	224
A-1**									
Territory:									
1								195	201
2								218	221
3								238	247
4								256	268
5								270	278
6								280	287
7								298	314
8								363	373
9								357	370
10								312	324
11								357	376
12								390	410
13								416	428
14								415	444
15								449	476
16								498	506
17-26								1179	1326
27								166	174
B. Basic**									
Territory:									
1								56	58
2								63	64
3								68	71
4								74	77
5								78	80
6								80	83
7								86	90
8								104	107
9								103	106
10								90	93
11								102	108
12								112	118
13								119	123
14								119	127
15								129	136
16								143	145
17-26								338	381
27								48	50

* (5) = 1 - (Premium Tax Allowance) - (Profit Load) - (Commission Expense Percentage).

** Combined A-1 & B rates are allocated in following manner (calculated from Section 100A of CAR filing):

A-1: 77.7% of Combined rates (Form 110).

B: 22.3% of Combined rates (Form 110).

*** (7) = {[(1) x (2) x (3) + (4)] x (6) / (5)}.

Commonwealth Automobile Reinsurers

2003 CAR
Schedule 107-1
Page 2

Trucks, Tractors, and Trailers
Liability Coverages for Which Rates Vary by Territory

Coverage	(1)	(2)	(3)		(4)	(5)	(6)	(7)	
	Average Loss Pure Premium (Form 100)	Territory Relativity (100K)	Fleet/ Non-Fleet Differential (100K)		Company Expense Pure Premium (Form 100)	Variable Expense Factor*	20/40 Increased Limits Factor (Form 100)	Final Base Rates**	
			Fleet	Non-Fleet				Fleet	Non-Fleet
<u>A-2</u>									
Territory:	14.38				1.51	0.9089			
1		0.6069	0.9779	1.0172				11	11
2		0.6869	0.9908	1.0076				12	13
3		0.7703	0.9757	1.0196				14	14
4		0.8424	0.9723	1.0252				15	15
5		0.8871	0.9820	1.0147				15	16
6		0.9214	0.9824	1.0137				16	16
7		1.0031	0.9713	1.0289				17	18
8		1.2285	0.9854	1.0170				21	21
9		1.2143	0.9818	1.0189				21	21
10		1.0452	0.9811	1.0220				18	19
11		1.2240	0.9711	1.0305				20	22
12		1.3491	0.9719	1.0268				22	24
13		1.4259	0.9860	1.0183				24	25
14		1.4612	0.9597	1.0322				24	26
15		1.5716	0.9729	1.0348				26	27
16		1.7196	0.9934	1.0103				29	29
17-26		4.4443	0.9489	1.0712				68	77
27		0.5039	0.9671	1.0255				9	10
<u>PDL Basic</u>	314.51				32.87	0.8860			
Territory:									
1		0.6069	0.9779	1.0172				248	256
2		0.6869	0.9908	1.0076				279	283
3		0.7703	0.9757	1.0196				304	316
4		0.8424	0.9723	1.0252				328	344
5		0.8871	0.9820	1.0147				346	357
6		0.9214	0.9824	1.0137				358	369
7		1.0031	0.9713	1.0289				383	403
8		1.2285	0.9854	1.0170				467	481
9		1.2143	0.9818	1.0189				460	476
10		1.0452	0.9811	1.0220				401	416
11		1.2240	0.9711	1.0305				459	485
12		1.3491	0.9719	1.0268				503	529
13		1.4259	0.9860	1.0183				536	553
14		1.4612	0.9597	1.0322				535	572
15		1.5716	0.9729	1.0348				580	614
16		1.7196	0.9934	1.0103				643	654
17-26		4.4443	0.9489	1.0712				1534	1727
27		0.5039	0.9671	1.0255				210	221

* (5) = 1 - (Premium Tax Allowance) - (Profit Load) - (Commission Expense Percentage).

** (7) = {[(1) x (2) x (3) + (4)] x (6) / (5)}.

Commonwealth Automobile Reinsurers

**Trucks, Tractors, and Trailers
 Liability Coverages for Which Rates do not Vary by Territory**

Coverage D

\$ 5,000	\$2	(From Form 110: rounded)
10,000	4	

Coverage U

	<u>Uninsured</u>	<u>U-2 Underinsured*</u>
20/40	7	0
20/50	8	1
25/50	9	4
35/80	10	14
50/100	11	23
100/300	12	49
250/500	13	129
500/500	16	330

* U-2 rates are based on 100% of the Private Passenger U-2 rates, adjusted for Commercial profit and commission.

**Commonwealth Automobile Reinsurers
Trucks, Tractors, & Trailers
Physical Damage Loss Pure Premium by Territory**

2003 CAR
Schedule 107-1
Page 4

Coverage	(1)	(2)	(3)		(4)	
	Average Loss Pure Premium (Form 100)	Territory Relativity (100K)	Fleet/ Non-Fleet Differential (100K)		Loss Pure Premium by Territory *	
			Fleet	Non-Fleet	Fleet	Non-Fleet
<u>Collision</u>	405.13					
Territory:						
1		0.7623	0.9725	1.0146	300	313
2		0.7501	1.0000	1.0000	304	304
3		0.7908	0.9876	1.0074	316	323
4		0.8726	1.0000	1.0000	354	354
5		0.8986	0.9797	1.0130	357	369
6		0.9443	0.9347	1.0386	358	397
7		1.0246	0.9704	1.0228	403	425
8		1.1426	1.0000	1.0000	463	463
9		1.0351	0.8876	1.0903	372	457
10		0.9201	0.9522	1.0420	355	388
11		0.9629	1.0000	1.0000	390	390
12		1.2673	1.0000	1.0000	513	513
13		1.1252	0.9882	1.0099	450	460
14		1.2185	0.8958	1.0713	442	529
15		1.1070	1.0000	1.0000	448	448
16		1.3791	1.0000	1.0000	559	559
17-26		3.3322	0.9105	1.0858	1229	1466
27		0.7303	1.0000	1.0000	296	296
<u>Comprehensive</u>	235.34					
Territory:						
1		0.7857	0.9665	1.0194	179	188
2		0.8359	0.9755	1.0152	192	200
3		0.8159	0.9836	1.0099	189	194
4		0.8996	0.9784	1.0148	207	215
5		0.9275	0.9816	1.0122	214	221
6		1.0035	0.9755	1.0137	230	239
7		1.0356	0.9820	1.0141	239	247
8		1.1292	0.9805	1.0168	261	270
9		1.0992	0.9687	1.0258	251	265
10		0.9848	0.9995	1.0005	232	232
11		1.0065	0.9869	1.0093	234	239
12		1.1041	0.9558	1.0340	248	269
13		1.1080	0.9565	1.0374	249	271
14		1.3509	0.9819	1.0129	312	322
15		1.1291	0.9637	1.0318	256	274
16		1.4597	0.9602	1.0471	330	360
17-26		2.9067	0.9474	1.0506	648	719
27		0.6597	0.9731	1.0145	151	158

* (4) = (1) x (2) x (3)

**Commonwealth Automobile Reinsurers
Trucks, Tractors, & Trailers Rates
Calculation of Limited Collision Percentage of Collision Rate**

(1) Statewide Average \$500 Collision Base Rate Pure Premium.	\$405.13
(2) Company Expense Pure Premium for \$500 Collision.	\$40.55
(3) Variable Expense Factor	0.8832
(4) Statewide Average \$500 Collision Base Rate $\{[(1) + (2)] / (3)\}$	\$504.62
(5) Statewide Average \$500 Limited Collision Base Rate Pure Premium.	\$36.46
(6) Company Expense Pure Premium for \$500 Limited Collision.	\$3.36
(7) Variable Expense Factor	0.8832
(8) Statewide Average \$500 Limited Collision Base Rate $\{[(5) + (6)] / (7)\}$	\$45.09
(9) $[(8) / (4)]$	8.9%

**Commonwealth Automobile Reinsurers
 Trucks, Tractors, & Trailers
 Rate Relativities by Age and Cost New***

COLLISION

<u>Cost New</u>	Symbol <u>Code</u>	<u>Age of Vehicle</u>			
		<u>1</u>	<u>2,3</u>	<u>4,5</u>	<u>6-9</u>
\$ 0,000 - 4,500	01	0.357	0.340	0.309	0.211
4,501 - 6,000	02	0.546	0.520	0.473	0.322
6,001 - 8,000	03	0.704	0.670	0.610	0.415
8,001 - 10,000	04	0.819	0.780	0.710	0.484
10,001 - 15,000	05	1.050	1.000	0.910	0.620
15,001 - 20,000	06	1.386	1.320	1.201	0.818
20,001 - 25,000	07	1.470	1.400	1.274	0.868
25,000 - 40,000	08	1.638	1.560	1.420	0.967
40,001 - 65,000	10	2.310	2.200	2.002	1.364
65,001 - 90,000	11	2.415	2.300	2.093	1.426
90,001 & Over	12	2.510	2.390	2.175	1.482

COMPREHENSIVE

<u>Cost New</u>	Symbol <u>Code</u>	<u>Age of Vehicle</u>			
		<u>1</u>	<u>2,3</u>	<u>4,5</u>	<u>6-9</u>
\$ 0,000 - 4,500	01	0.360	0.360	0.342	0.259
4,501 - 6,000	02	0.470	0.470	0.447	0.338
6,001 - 8,000	03	0.640	0.640	0.608	0.461
8,001 - 10,000	04	0.830	0.830	0.789	0.598
10,001 - 15,000	05	1.000	1.000	0.950	0.720
15,001 - 20,000	06	1.250	1.250	1.188	0.900
20,001 - 25,000	07	1.270	1.270	1.207	0.914
25,000 - 40,000	08	1.280	1.280	1.216	0.922
40,001 - 65,000	10	1.500	1.500	1.425	1.080
65,001 - 90,000	11	1.640	1.640	1.558	1.181
90,001 & Over	12	1.980	1.980	1.881	1.426

* Relative to Symbol 5 and Age 2,3 (Section 105).

Commonwealth Automobile Reinsurers
Trucks, Tractors & Trailers
Miscellaneous Components of Physical Damage Rates

DEDUCTIBLE RELATIVITIES (Section 102)

<u>Deductible</u>	<u>Coverage</u>	
	<u>Collision</u>	<u>Comprehensive</u>
300	1.070	1.030
500	1.000	1.000
1000	0.860	0.950
2000	0.660	0.890
3000	0.530	0.850
4000	0.440	0.820
5000	0.380	0.800

COMPANY EXPENSES

<u>Coverage</u>	Company Expense Pure Premium (Form 100)
Collision	40.55
Comprehensive	17.59

VARIABLE EXPENSES

<u>Coverage</u>	Variable Expense Factor* (Form 100)
Collision	0.8832
Comprehensive	0.8832

* Variable Expense Factor = 1 - (Premium Tax Allowance) - (Profit Load) - (Commission Expense Percentage).

**Commonwealth Automobile Reinsurers
Trucks, Tractors, and Trailers Base Rates
Collision Waiver of Deductible Charges**

2003 CAR
Schedule 107-1
Page 8

(1) Average \$500 deductible Collision pure premium,
(Form 100, (7) x (8) x (8A)) 473.81

(2) Waiver Charges = { [(1) x (Terr. Relativity) x (Fleet Relativity)] / Variable Expense Ratio } x
{ \$X Selected Waiver of Deductible Relativity to \$500 Deductible Losses* }
where \$X is \$300, \$500, \$1000, \$2000, \$3000, \$4000, or \$5000.

* Section 102, Exhibit 1, Page 1, Line 11.

WAIVER CHARGES FOR FLEET

Territory	Deductibles:						
	\$300	\$500	\$1000	\$2000	\$3000	\$4000	\$5000
1	7	10	18	29	37	41	45
2	7	10	19	30	37	42	46
3	7	11	19	31	39	44	48
4	8	12	22	35	43	49	53
5	8	12	22	35	43	49	54
6	8	12	22	35	44	49	54
7	9	14	25	39	49	55	61
8	10	16	28	45	56	64	70
9	8	13	23	36	45	51	56
10	8	12	22	35	43	49	54
11	9	13	24	38	48	54	59
12	12	18	31	50	63	71	78
13	10	16	27	44	55	62	68
14	10	15	27	43	54	61	67
15	10	15	27	44	55	62	68
16	13	19	34	55	68	77	84
17-26	28	42	75	120	150	169	186
27	7	10	18	29	36	41	45

WAIVER CHARGES FOR NON-FLEET

Territory	Deductibles:						
	\$300	\$500	\$1000	\$2000	\$3000	\$4000	\$5000
1	7	11	19	31	38	43	47
2	7	10	19	30	37	42	46
3	7	11	20	32	39	44	49
4	8	12	22	35	43	49	53
5	8	13	22	36	45	51	56
6	9	14	24	39	48	55	60
7	10	15	26	42	52	58	64
8	10	16	28	45	56	64	70
9	10	16	28	45	56	63	69
10	9	13	24	38	47	53	59
11	9	13	24	38	48	54	59
12	12	18	31	50	63	71	78
13	10	16	28	45	56	63	69
14	12	18	32	52	64	73	80
15	10	15	27	44	55	62	68
16	13	19	34	55	68	77	84
17-26	33	50	89	144	179	202	221
27	7	10	18	29	36	41	45

Commonwealth Automobile Reinsurers

**Trucks, Tractors, and Trailers
Other than Collision
Minimum Charge For Deductible**

<u>Deductible</u>	<u>Buyback * Percentage</u>	<u>Statewide Average \$500 Deductible Collectible Premiums **</u>	<u>Minimum Buyback Charge ***</u>
\$300	0.030	299.47	7

* Equal to (\$300 deductible relativity - 1)

** Form 100 Line (17)

*** (Statewide average premium) x (Buyback percentage) x (0.75)