

COMMONWEALTH AUTOMOBILE REINSURERS

SCHEDULE 107 Rating Components

Effective March 1, 2019

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Commonwealth Automobile Reinsurers

2019 CAR
Schedule 107-1
Page 1

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

Coverage	(1) Average Loss Pure Premium (Form 100)	(2) Territory Relativity (100K)	(3) Fleet/ Non-Fleet Differential (100K)		(4) Company Expense Pure Premium (Form 100)	(5) Variable Expense Factor*	(7) Final Base Rates***	
			Fleet	Non-Fleet			Fleet	Non-Fleet
A-1 & B**	327.52				89.79	0.8327		
Territory:								
1		2.3619	0.9979	1.0047			1035	1041
2		2.3619	0.9979	1.0047			1035	1041
3		2.3619	0.9979	1.0047			1035	1041
4		2.3619	0.9979	1.0047			1035	1041
5		2.3619	0.9979	1.0047			1035	1041
6		2.3619	0.9979	1.0047			1035	1041
7		2.3619	0.9979	1.0047			1035	1041
8		2.3619	0.9979	1.0047			1035	1041
9		2.3619	0.9979	1.0047			1035	1041
10		2.3619	0.9979	1.0047			1035	1041
11		0.6351	0.9737	1.0276			351	365
12		0.8045	1.0000	1.0000			424	424
13		0.7904	1.0000	1.0000			419	419
14		0.9369	1.0000	1.0000			476	476
15		0.9185	1.0000	1.0000			469	469
16		1.0444	1.0000	1.0000			519	519
17		1.2058	1.0000	1.0000			582	582
18		1.3197	0.9798	1.0241			616	639
19		1.5106	0.9527	1.0501			674	732
20		1.7020	0.9586	1.0493			750	810
A-1**								
Territory:								
1							921	926
2							921	926
3							921	926
4							921	926
5							921	926
6							921	926
7							921	926
8							921	926
9							921	926
10							921	926
11							312	325
12							377	377
13							373	373
14							424	424
15							417	417
16							462	462
17							518	518
18							548	569
19							600	651
20							668	721
B. Basic**								
Territory:								
1							114	115
2							114	115
3							114	115
4							114	115
5							114	115
6							114	115
7							114	115
8							114	115
9							114	115
10							114	115
11							39	40
12							47	47
13							46	46
14							52	52
15							52	52
16							57	57
17							64	64
18							68	70
19							74	81
20							82	89

* (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: 89.0% of Combined rates.
B: 11.0% of Combined rates.

*** (6) = $\{[(1) \times (2) \times (3) + (4)] / (5)\}$.

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Commonwealth Automobile Reinsurers

2019 CAR
Schedule 107-1
Page 2

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

Coverage	(1) Average Loss Pure Premium (Form 100)	(2) Territory Relativity (100K)	(3) Fleet/ Non-Fleet Differential (100K)		(4) Company Expense Pure Premium (Form 100)	(5) Variable Expense Factor*	(6) Final Base Rates**	
			Fleet	Non-Fleet			Fleet	Non-Fleet
<u>A-2</u>	20.45				5.81	0.8327		
Territory:								
1		2.3619	0.9979	1.0047			65	65
2		2.3619	0.9979	1.0047			65	65
3		2.3619	0.9979	1.0047			65	65
4		2.3619	0.9979	1.0047			65	65
5		2.3619	0.9979	1.0047			65	65
6		2.3619	0.9979	1.0047			65	65
7		2.3619	0.9979	1.0047			65	65
8		2.3619	0.9979	1.0047			65	65
9		2.3619	0.9979	1.0047			65	65
10		2.3619	0.9979	1.0047			65	65
11		0.6351	0.9737	1.0276			22	23
12		0.8045	1.0000	1.0000			27	27
13		0.7904	1.0000	1.0000			26	26
14		0.9369	1.0000	1.0000			30	30
15		0.9185	1.0000	1.0000			30	30
16		1.0444	1.0000	1.0000			33	33
17		1.2058	1.0000	1.0000			37	37
18		1.3197	0.9798	1.0241			39	40
19		1.5106	0.9527	1.0501			42	46
20		1.7020	0.9586	1.0493			47	51
<u>PDL, Basic</u>	369.68				97.06	0.8577		
Territory:								
1		2.3619	0.9979	1.0047			1129	1136
2		2.3619	0.9979	1.0047			1129	1136
3		2.3619	0.9979	1.0047			1129	1136
4		2.3619	0.9979	1.0047			1129	1136
5		2.3619	0.9979	1.0047			1129	1136
6		2.3619	0.9979	1.0047			1129	1136
7		2.3619	0.9979	1.0047			1129	1136
8		2.3619	0.9979	1.0047			1129	1136
9		2.3619	0.9979	1.0047			1129	1136
10		2.3619	0.9979	1.0047			1129	1136
11		0.6351	0.9737	1.0276			380	394
12		0.8045	1.0000	1.0000			460	460
13		0.7904	1.0000	1.0000			454	454
14		0.9369	1.0000	1.0000			517	517
15		0.9185	1.0000	1.0000			509	509
16		1.0444	1.0000	1.0000			563	563
17		1.2058	1.0000	1.0000			633	633
18		1.3197	0.9798	1.0241			670	696
19		1.5106	0.9527	1.0501			733	797
20		1.7020	0.9586	1.0493			816	883

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

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

Commonwealth Automobile Reinsurers
Trucks, Tractors, and Trailers
Liability Coverages for Which Rates do not Vary by Territory

Coverage D

\$ 5,000	\$30
10,000	32

Coverage U

	U-1	U-2
	<u>Uninsured</u>	<u>Underinsured</u>
20/40	4	0
20/50	5	0
25/50	6	0
35/80	7	4
50/100	8	7
100/300	9	22
250/500	10	86
500/500	12	234

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

2019 CAR
Schedule 107-1
Page 4

Coverage	(1)	(2)	(3)		(4)	
	Average	Territory	Fleet/ Non-Fleet		Loss	
	Loss Pure Premium (Form 100)		Differential (100K)		Pure Premium by Territory *	
		(100K)	Fleet	Non-Fleet	Fleet	Non-Fleet
Collision	328.62					
Territory:						
1		2.1478	0.9600	1.0560	678	745
2		2.1478	0.9600	1.0560	678	745
3		2.1478	0.9600	1.0560	678	745
4		2.1478	0.9600	1.0560	678	745
5		2.1478	0.9600	1.0560	678	745
6		2.1478	0.9600	1.0560	678	745
7		2.1478	0.9600	1.0560	678	745
8		2.1478	0.9600	1.0560	678	745
9		2.1478	0.9600	1.0560	678	745
10		2.1478	0.9600	1.0560	678	745
11		0.7841	1.0000	1.0000	258	258
12		0.8778	1.0000	1.0000	288	288
13		0.9073	0.9932	1.0046	296	300
14		1.0081	0.9679	1.0211	321	338
15		0.9869	0.9633	1.0234	312	332
16		1.0905	0.9698	1.0221	348	366
17		1.0958	0.9421	1.0419	339	375
18		1.1563	0.8760	1.0935	333	416
19		1.2475	1.0000	1.0000	410	410
20		1.3315	0.8417	1.0974	368	480
Comprehensive	99.03					
Territory:						
1		1.5753	1.0000	1.0000	159	159
2		1.5753	1.0000	1.0000	159	159
3		1.5753	1.0000	1.0000	159	159
4		1.5753	1.0000	1.0000	159	159
5		1.5753	1.0000	1.0000	159	159
6		1.5753	1.0000	1.0000	159	159
7		1.5753	1.0000	1.0000	159	159
8		1.5753	1.0000	1.0000	159	159
9		1.5753	1.0000	1.0000	159	159
10		1.5753	1.0000	1.0000	159	159
11		0.7459	0.9748	1.0097	74	76
12		0.9465	0.9701	1.0115	93	97
13		0.9880	1.0000	1.0000	100	100
14		1.0396	1.0000	1.0000	105	105
15		0.9831	1.0000	1.0000	99	99
16		1.0812	0.9960	1.0016	109	110
17		1.0395	0.9740	1.0107	102	106
18		1.1601	0.9938	1.0026	117	118
19		1.1168	0.9852	1.0061	111	114
20		1.1138	0.9939	1.0023	112	113

Collision

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

Comprehensive

* (4) = [(1) x (2) x (3)] / (Anti-Theft Off Balance Factor)

OTC Anti-Theft Off Balance Factor
0.979

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

(1) Statewide Average \$500 Collision Base Rate Pure Premium.	\$328.62
(2) Company Expense Pure Premium for \$500 Collision.	\$153.27
(3) Variable Expense Factor	0.8360
(4) Statewide Average \$500 Collision Base Rate $\{[(1) + (2)] / (3)\}$	\$576.42
(5) Statewide Average \$500 Limited Collision Base Rate Pure Premium.	\$32.86
(6) Company Expense Pure Premium for \$500 Limited Collision.	\$15.33
(7) Variable Expense Factor	0.836
(8) Statewide Average \$500 Limited Collision Base Rate $\{[(5) + (6)] / (7)\}$	\$57.64
(9) $[(8) / (4)]$	10.0%

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

COLLISION

Cost New	Symbol Code	Age of Vehicle			
		<u>1</u>	<u>2,3</u>	<u>4,5</u>	<u>6-9</u>
\$ 0,000 - 4,500	01	0.313	0.290	0.273	0.165
4,501 - 6,000	02	0.335	0.310	0.291	0.177
6,001 - 8,000	03	0.410	0.380	0.357	0.217
8,001 - 10,000	04	0.670	0.620	0.583	0.353
10,001 - 15,000	05	1.080	1.000	0.940	0.570
15,001 - 20,000	06	1.922	1.780	1.673	1.015
20,001 - 25,000	07	2.473	2.290	2.153	1.305
25,000 - 40,000	08	2.851	2.640	2.482	1.505
40,001 - 65,000	10	3.748	3.470	3.262	1.978
65,001 - 90,000	11	4.104	3.800	3.572	2.166
90,001 & Over	12	(See Below)			

COMPREHENSIVE

Cost New	Symbol Code	Age of Vehicle			
		<u>1</u>	<u>2,3</u>	<u>4,5</u>	<u>6-9</u>
\$ 0,000 - 4,500	01	0.340	0.340	0.340	0.248
4,501 - 6,000	02	0.420	0.420	0.420	0.307
6,001 - 8,000	03	0.420	0.420	0.420	0.307
8,001 - 10,000	04	0.670	0.670	0.670	0.489
10,001 - 15,000	05	1.000	1.000	1.000	0.730
15,001 - 20,000	06	1.540	1.540	1.540	1.124
20,001 - 25,000	07	1.680	1.680	1.680	1.226
25,000 - 40,000	08	1.910	1.910	1.910	1.394
40,001 - 65,000	10	2.290	2.290	2.290	1.672
65,001 - 90,000	11	2.520	2.520	2.520	1.840
90,001 & Over	12	(See Below)			

Factors to determine charges are based on the original cost new for vehicles with costs in excess of \$90,000.

For each \$1000 in excess of \$90,000 add the following factors to the \$65,000-\$90,000 age/symbol factor:

	<u>Collision</u>	<u>OTC</u>
Factor	0.025	0.007

For example, the collision age/symbol factor for a vehicle with a \$95,000 cost new (age class1) would be:

$$4.229 = 4.104 + (\$95,000 - \$90,000) / 1000 \times 0.025$$

* 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	1.040	1.030
500	1.000	1.000
1000	0.920	0.950
2000	0.790	0.890
3000	0.690	0.850
4000	0.610	0.820
5000	0.550	0.800

COMPANY EXPENSES

<u>Coverage</u>	<u>Company Expense Pure Premium (Form 100)</u>
Collision	153.27
Limited Collision	15.33
Comprehensive	43.75

VARIABLE EXPENSES

<u>Coverage</u>	<u>Variable Expense Factor* (Form 100)</u>
Collision	0.8360
Limited Collision	0.8360
Comprehensive	0.8360

* 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**

(1) Average \$500 deductible Collision pure premium,
(Form 100, (5) x (6) x (6A))

618.03

(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	27	38	66	107	136	155	172
2	27	38	66	107	136	155	172
3	27	38	66	107	136	155	172
4	27	38	66	107	136	155	172
5	27	38	66	107	136	155	172
6	27	38	66	107	136	155	172
7	27	38	66	107	136	155	172
8	27	38	66	107	136	155	172
9	27	38	66	107	136	155	172
10	27	38	66	107	136	155	172
11	10	14	25	41	52	59	66
12	12	16	28	45	58	66	73
13	12	17	29	47	59	68	75
14	13	18	31	50	64	74	82
15	13	18	30	49	63	72	79
16	14	20	34	55	70	80	88
17	14	19	33	53	68	78	86
18	13	19	32	52	67	76	85
19	17	23	40	65	82	94	104
20	15	21	36	58	74	85	94

WAIVER CHARGES FOR NON-FLEET

Territory	Deductibles:						
	\$300	\$500	\$1000	\$2000	\$3000	\$4000	\$5000
1	30	42	72	117	149	171	189
2	30	42	72	117	149	171	189
3	30	42	72	117	149	171	189
4	30	42	72	117	149	171	189
5	30	42	72	117	149	171	189
6	30	42	72	117	149	171	189
7	30	42	72	117	149	171	189
8	30	42	72	117	149	171	189
9	30	42	72	117	149	171	189
10	30	42	72	117	149	171	189
11	10	14	25	41	52	59	66
12	12	16	28	45	58	66	73
13	12	17	29	47	60	69	76
14	14	19	33	53	68	78	86
15	13	19	32	52	66	76	84
16	15	21	35	58	73	84	93
17	15	21	36	59	75	86	95
18	17	23	40	65	83	95	106
19	17	23	40	65	82	94	104
20	19	27	46	76	96	110	122

Commonwealth Automobile Reinsurers

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

<u>Deductible</u>	<u>Buyback *</u> <u>Percentage</u>	<u>Statewide Average</u> <u>\$500 Deductible</u> <u>Collectible Premiums **</u>	<u>Minimum</u> <u>Buyback</u> <u>Charge ***</u>
\$300	0.030	221.04	5

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

** Form 100 Line (16)

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