

October 21, 2015

CIRCULAR LETTER TO ALL MEMBER COMPANIES

Re: Workers Compensation Insurance

Loss Costs Filing

A loss costs reference filing has been filed with the North Carolina Commissioner of Insurance to become effective April 1, 2016. This filing was approved by the North Carolina Commissioner of Insurance, as filed, to become effective April 1, 2016. Pursuant to the provisions of North Carolina General Statute §58-36-100, a copy of the approved prospective advisory loss costs and a copy of the original reference filing may be obtained from the NCRB web site (April 1, 2016 loss costs filing).

The attached exhibits set forth the approved prospective advisory loss costs, rating values and miscellaneous rating values effective April 1, 2016. Except for loss adjustment expenses that are specifically authorized to be included in the loss costs by statute, these loss costs and rating values include no provisions for expenses, dividends, profit or contingencies. The values changes from NCCI Item Filing R-1410 (Retrospective Rating Plan Parameters- Excess Loss Pure Premium Factors and Excess Loss and Allocated Expense Pure Premium Factors) and the values and manual changes from NCCI Item Filing R-1411 (Retrospective Rating Plan Hazard Group Differentials and Manual Rules) were a part of this filing and have also been approved as filed.

Pursuant to NCGS §58-36-100, the prospective loss costs reference filing does not develop or propose minimum premiums, minimum premium formulas, expense constants or premium discount plans. Any amendments to an insurer's current minimum premiums, minimum premium formula, expense constant or premium discount plan must be filed by the insurer with the North Carolina Department of Insurance.

With regard to the Bureau's prospective loss costs reference filings, NCGS §58-36-100(j) provides as follows:

- (1) If the insurer has filed to have its loss multiplier remain on file, applicable to subsequent reference filings, and a new reference filing is filed and approved and if:
 - a. The insurer decides to use the revision of the prospective loss costs and effective date as filed, then the insurer does not file anything with the Commissioner. Rates are the combination of the prospective loss costs and the on-file loss multiplier and become effective on the effective date of the loss costs.
 - b. The insurer decides to use the prospective loss costs as filed but with a different effective date, then the insurer must notify the Commissioner of its effective date before the effective date of the loss costs.
 - c. The insurer decides to use the revision of the prospective loss costs, but wishes to change its loss multiplier, then the insurer must file a revised reference filing adoption form before the effective date of the reference filing.
 - d. The insurer decides not to revise its rates using the prospective loss costs, then the insurer must notify the Commissioner before the effective date of the loss costs.

- (2) If an insurer has not elected to have its loss multiplier remain on file, applicable to future prospective loss costs reference filings, and a new reference filing is filed and approved, and if:
 - a. The insurer decides to use the prospective loss costs to revise its rates, then the insurer must file a reference filing adoption form, including its effective date.
 - b. The insurer decides not to use the revisions, then the insurer does not file anything with the Commissioner.
 - c. The insurer decides to change its multiplier, then the insurer must file a reference filing adoption form referencing the current approved prospective loss costs, including its effective date and, if applicable, its loss costs modification factor and supporting documentation. The insurer shall not make a change to its loss cost multiplier based on any reference filing other than the current approved reference filing.

Included in the attached exhibits are approved advisory Miscellaneous Values and Retrospective Rating Plan State Special Rating Values. Pursuant to NCGS §58-36-100(l), as a result of the Commissioner's approval of the miscellaneous and Retrospective Rating Plan values, (i) a carrier may elect to implement the values, in which event the carrier need not file anything with the Commissioner; (ii) a carrier may elect to implement the values with a different effective date, in which event the carrier must notify the Commissioner of its effective date before the effective date of the Bureau filing; (iii) a carrier may elect not to implement the values, in which event the carrier must notify the Commissioner before the effective date of the Bureau filing; or (iv) a carrier may elect to implement the values with modifications, in which event the carrier must file the modifications with the Commissioner, must specify the basis for the modifications and must specify the carrier's proposed effective date, if different from the effective date of the Bureau filing.

With regard to the Loss Elimination Ratios shown with the advisory Miscellaneous Values, a carrier should file with the Commissioner its factor(s) to be applied to the approved Loss Elimination Ratios or its own table of deductible percentages. Similarly, with regard to the Retrospective Rating Plan, each carrier should file its factor(s) to be applied to the Excess Loss Pure Premium Factors and Excess Loss and Allocated Expense Pure Premium Factors or file its own tables. It is the Rate Bureau's interpretation of the statute that, if the carrier's factors for these tables have previously been filed and approved, or, if filed on or after September 1, 1997 and not disapproved, and, if the carrier's factors will not be revised, they may be applied to the April 1, 2016 tables without a new filing with the Commissioner.

Note: The obligations of carriers with respect to use of the prospective loss costs and use of the advisory Miscellaneous Values and Retrospective Rating Plan State Special Rating Values are different. The statutory provisions with regard to use of the approved prospective loss costs and an insurer's loss multiplier are set forth in NCGS §58-36-100, portions of which have been quoted above. With respect to the advisory Miscellaneous Values, and Retrospective Rating Plan State Special Rating Values, a carrier is required to implement those values to become effective April 1, 2016 unless it makes a filing with the Commissioner indicating that it elects to do otherwise, as described above.

As previously stated, except for loss adjustment expenses, the approved prospective loss costs include no provisions for expenses. For your information, the premium tax is currently 2.5% of premium and the insurance regulatory charge is 6.5% of the premium tax for the 2016 calendar year.

The North Carolina Department of Insurance (a) Reference Filing Adoption Form, (b) Summary of Supporting Information Form - Calculation of Company Loss Costs Multiplier and (c) Summary of Supporting Information Form - Expense Provisions Exhibit, which have been developed for insurers to file their loss costs multipliers and/or amend minimum premium formulas, expense constants or premium discount schedules, may be found under "Loss Costs and Assigned Risk Rates" under Workers Compensation on the Rate Bureau's web site.

Note:

The Reference Filing Adoption Form should be completed to show NCDOI File Number: NCRI-130223759, NCRB Reference Filing Date: August 28, 2015 and NCRB Effective Date: April 1, 2016. Item 7, "Provision for loss based assessments" of the Summary of Supporting Information Form - Calculation of Company Loss Costs Multiplier should be completed to show .000.

Duplicate copies of the reference filing adoption forms (with a postage-paid, self-addressed envelope) are to be submitted to:

Mr. Bob Mack, Deputy Commissioner Property and Casualty Division North Carolina Department of Insurance 1201 Mail Service Center, 430 North Salisbury Street Raleigh, North Carolina 27699-1201

Pursuant to NCGS §58-36-100, a copy of each insurer's filing must also be sent to the North Carolina Rate Bureau.

The April 1, 2016 advisory loss costs, rating values and miscellaneous values are posted on our web site at www.ncrb.org. The filing proposed an average loss cost decrease of -10.2% from loss costs effective April 1, 2015. For the federal classifications, the approved overall advisory loss costs change is a decrease of -1.0% relative to the overall advisory loss costs level currently in effect.

To assist carriers in the mechanics of generating individual class code rates, a file identified as "April 2016 Loss Costs by Industry Group" may be found under "Loss Costs and Assigned Risk Rates" in the Carrier section of Workers Compensation on the Rate Bureau's web site. This file has each class code assigned to one of the following industry groups:

- 1. Manufacturing Classifications
- 2. Contracting Classifications
- 3. Office and Clerical Classifications
- 4. Goods and Services Classifications
- 5. Miscellaneous Classifications
- 6. "F" Classifications
- 7. Per Capita Classifications

If you would like to have the loss costs and residual market rates on a diskette or CD, please send an e-mail to Debbie Spence (dms@ncrb.org) and we will promptly forward it to you.

Sincerely,

Joanna Biliouris

Chief Operating Officer

JB:dms

Attachments

C-15-16

Exhibit III Page S1

| | | | | | Effective Apr | 11 1, 2010 | | | | | _ |
|--------|--------|--------|-------|-------|---------------|------------|--------------|--------------|-------|-------|-------|
| CLASS | LOSS | | D | CLASS | LOSS | | D | CLASS | LOSS | | D |
| CODE | COST | ELR | RATIO | CODE | COST | ELR | RATIO | CODE | COST | ELR | RATIO |
| 0005 | 2.79 | 1.58 | 0.30 | 2002 | 1.91 | 1.13 | 0.33 | 2702 | 18.48 | 7.79 | 0.21 |
| 8000 | 2.25 | 1.21 | 0.27 | 2003 | 3.23 | 1.82 | 0.30 | 2705X* | 68.78 | 34.19 | 0.24 |
| 0016 | 5.91 | 2.96 | 0.24 | 2014 | 3.60 | 1.80 | 0.24 | 2709 | 8.16 | 4.06 | 0.24 |
| 0034 | 3.51 | 1.98 | 0.30 | 2016 | 1.65 | 0.96 | 0.33 | 2710 | 8.16 | 3.84 | 0.21 |
| 0035 | 1.99 | 1.17 | 0.33 | 2021 | 1.65 | 0.89 | 0.27 | 2714 | 3.67 | 2.15 | 0.33 |
| | | | | | | | | | | | |
| 0036 | 3.77 | 2.14 | 0.30 | 2039 | 2.10 | 1.23 | 0.33 | 2727X | 8.53 | 4.23 | 0.24 |
| 0037 | 3.34 | 1.80 | 0.27 | 2041 | 2.33 | 1.37 | 0.33 | 2731 | 3.21 | 1.60 | 0.24 |
| 0042 | 4.10 | 2.20 | 0.27 | 2065 | 2.76 | 1.56 | 0.30 | 2735 | 3.91 | 2.30 | 0.33 |
| 0050 | 5.37 | 3.02 | 0.30 | 2070 | 4.29 | 2.41 | 0.30 | 2759 | 4.77 | 2.80 | 0.33 |
| 0059D | 0.34 | 0.07 | 0.21 | 2081 | 2.28 | 1.29 | 0.30 | 2790 | 1.45 | 0.85 | 0.33 |
| | | | | | | | | | | | |
| 0065D | 0.08 | 0.02 | 0.24 | 2089 | 2.36 | 1.33 | 0.30 | 2791 | _ | 1.82 | 0.33 |
| 0066D | 0.08 | 0.02 | 0.24 | 2095 | 3.68 | 2.07 | 0.30 | 2797 | 5.06 | 2.86 | 0.30 |
| 0067D | 0.08 | 0.02 | 0.24 | 2105 | 2.82 | 1.66 | 0.33 | 2799 | 3.70 | 1.96 | 0.27 |
| 0079 | 3.28 | 1.64 | 0.24 | 2110 | 1.91 | 1.12 | 0.33 | 2802 | 4.00 | 2.15 | 0.27 |
| 0083 | 3.16 | 1.78 | 0.30 | 2111 | 3.85 | 2.27 | 0.33 | 2812 | - | 1.85 | 0.30 |
| 0000 | 5.10 | 1.70 | 0.50 | 2111 | 0.00 | 2.21 | 0.00 | 2012 | | 1.00 | 0.50 |
| 0106 | 19.05 | 8.97 | 0.21 | 2112 | 2.70 | 1.59 | 0.33 | 2835 | 2.18 | 1.36 | 0.36 |
| 0100 | 4.34 | 2.45 | 0.30 | 2114 | 1.86 | 1.09 | 0.33 | 2836 | 1.62 | 1.02 | 0.36 |
| 0170 | 2.73 | 1.54 | 0.30 | 2114 | 1.31 | 0.74 | 0.30 | 2841 | 3.09 | 1.82 | 0.38 |
| 0251 | 3.69 | 2.08 | 0.30 | 2130 | 1.76 | 1.00 | | | 3.22 | 2.02 | 0.36 |
| 0400 | 5.77 | 3.08 | 0.30 | 2130 | 2.48 | 1.40 | 0.30 0.30 | 2881 2883 | 3.22 | 1.85 | 0.30 |
| 0400 | 5.77 | 3.06 | 0.27 | 2131 | 2.40 | 1.40 | 0.30 | 2003 | 3.27 | 1.00 | 0.30 |
| 0404 | 0.22 | 4.20 | 0.21 | 21.42 | 2.07 | 1 22 | 0.33 | 2012 | 1.02 | 1 21 | 0.36 |
| 0401 | 9.32 | 4.39 | 0.21 | 2143 | 2.07 | 1.22 | 0.33 | 2913 | 1.93 | 1.21 | 0.36 |
| 0771N | 0.40 | - | - | 2157 | 3.55 | 1.99 | 0.30 | 2915 | 1.95 | 1.04 | 0.27 |
| 0908P | 122.00 | 68.42 | 0.30 | 2172 | 1.54 | 0.82 | 0.27 | 2916 | 3.00 | 1.41 | 0.21 |
| 0913P | 559.00 | 314.42 | 0.30 | 2174 | 2.79 | 1.64 | 0.33 | 2923 | 1.85 | 1.08 | 0.33 |
| 0917 | 4.46 | 2.62 | 0.33 | 2211 | 6.84 | 3.41 | 0.24 | 2942 | 1.77 | 1.11 | 0.36 |
| | | | | | | | | | | | |
| 1005 | 5.83 | 2.43 | 0.21 | 2220 | 2.43 | 1.37 | 0.30 | 2960 | 4.17 | 2.35 | 0.30 |
| 1164 | 5.64 | 2.36 | 0.21 | 2286 | 1.18 | 0.69 | 0.33 | 3004 | 1.40 | 0.70 | 0.24 |
| 1165XD | 3.03 | 1.40 | 0.21 | 2288 | 4.34 | 2.54 | 0.33 | 3018 | 2.94 | 1.46 | 0.24 |
| 1320 | 1.97 | 0.92 | 0.21 | 2300 | 2.06 | 1.28 | 0.36 | 3022 | 6.53 | 3.81 | 0.33 |
| 1322 | 8.18 | 3.82 | 0.21 | 2302 | 1.66 | 0.94 | 0.30 | 3027 | 2.10 | 1.04 | 0.24 |
| | | | | | | | | | | | |
| 1430 | 6.73 | 3.36 | 0.24 | 2305 | 2.38 | 1.28 | 0.27 | 3028 | 2.35 | 1.33 | 0.30 |
| 1438 | 3.13 | 1.46 | 0.21 | 2361 | 1.75 | 0.99 | 0.30 | 3030 | 4.86 | 2.43 | 0.24 |
| 1452 | 2.39 | 1.19 | 0.24 | 2362 | 1.34 | 0.75 | 0.30 | 3040 | 5.18 | 2.58 | 0.24 |
| 1463 | 7.39 | 3.48 | 0.21 | 2380 | 2.15 | 1.22 | 0.30 | 3041 | 4.74 | 2.66 | 0.30 |
| 1470 | _ | 1.04 | 0.22 | 2386 | 1.35 | 0.79 | 0.33 | 3042 | 3.07 | 1.64 | 0.27 |
| | | | | | | | | | | | |
| 1472 | 2.24 | 1.04 | 0.22 | 2388 | 1.82 | 1.07 | 0.33 | 3064 | 4.52 | 2.56 | 0.30 |
| 1473 | _ | 1.04 | 0.22 | 2402 | 2.40 | 1.20 | 0.24 | 3069 | _ | 1.42 | 0.30 |
| 1474 | _ | 1.04 | 0.22 | 2413 | 2.31 | 1.30 | 0.30 | 3076 | 2.51 | 1.42 | 0.30 |
| 1624D | 2.81 | 1.30 | 0.21 | 2416 | 2.08 | 1.18 | 0.30 | 3081D | 3.77 | 1.85 | 0.24 |
| 1642 | 2.20 | 1.09 | 0.24 | 2417 | 1.24 | 0.70 | 0.30 | 3082D | 3.01 | 1.48 | 0.24 |
| | | | | | | | | | | | |
| 1654 | 24.99 | 12.32 | 0.24 | 2501 | 2.10 | 1.19 | 0.30 | 3085D | 3.90 | 1.91 | 0.24 |
| 1655 | 2.75 | 1.36 | 0.24 | 2503 | 0.99 | 0.58 | 0.33 | 3110 | 4.34 | 2.45 | 0.30 |
| 1699 | 3.31 | 1.65 | 0.24 | 2534 | 1.46 | 0.86 | 0.33 | 3111 | 2.18 | 1.23 | 0.30 |
| 1701 | 4.38 | 2.18 | 0.24 | 2570 | 3.66 | 2.14 | 0.33 | 3113 | 1.64 | 0.92 | 0.30 |
| 1710 | 5.49 | 2.73 | 0.24 | 2585 | 3.17 | 1.85 | 0.33 | 3114 | 2.05 | 1.15 | 0.30 |
| | | | | | | | | | | | |
| 1741D | 2.49 | 0.91 | 0.21 | 2586 | 2.07 | 1.16 | 0.30 | 3118 | 1.62 | 0.95 | 0.33 |
| 1747 | 1.74 | 0.86 | 0.24 | 2587 | 2.73 | 1.59 | 0.33 | 3119 | 0.76 | 0.48 | 0.36 |
| 1748 | 3.44 | 1.72 | 0.24 | 2589 | 1.84 | 1.04 | 0.30 | 3122 | 1.52 | 0.90 | 0.33 |
| 1803D | 7.66 | 3.30 | 0.21 | 2600 | 2.35 | 1.37 | 0.33 | 3126 | 2.12 | 1.20 | 0.30 |
| 1852D | 1.99 | 0.82 | 0.20 | 2623 | 5.47 | 2.94 | 0.27 | 3131 | 1.34 | 0.76 | 0.30 |
| I | | | | | | | | | | | |
| 1853 | 1.18 | 0.63 | 0.27 | 2651 | 1.50 | 0.88 | 0.33 | 3132 | 2.39 | 1.35 | 0.30 |
| 1860 | 1.60 | 0.93 | 0.33 | 2660 | 2.00 | 1.18 | 0.33 | 3145 | 1.61 | 0.91 | 0.30 |
| 1924 | 1.97 | 1.16 | 0.33 | 2670 | 1.28 | 0.80 | 0.36 | 3146 | 1.97 | 1.11 | 0.30 |
| 1925 | 2.73 | 1.47 | 0.27 | 2683 | 1.03 | 0.61 | 0.33 | 3169 | 2.88 | 1.62 | 0.30 |
| 2001 | - | 1.82 | 0.30 | 2688 | 2.85 | 1.67 | 0.33 | 3175 | 3.39 | 1.92 | 0.30 |
| 2001 | | 1.02 | 0.50 | 2000 | 2.00 | 1.07 | 0.00 | 3173 | 0.00 | 1.32 | 0.50 |

 $^{^{\}star}\,$ Refer to the Footnotes Page for additional information on this class code.

Exhibit III Page S2

| 138 | CLASS CODE | LOSS COST | ELR | D RATIO | CLASS CODE | LOSS COST | ELR | D RATIO | CLASS CODE | LOSS COST | ELR | D RATIO |
|--|---------------|--------------|------|------------|---------------|--------------|------|------------|---------------|--------------|------|------------|
| 1816 | 3179 | 1.38 | 0.81 | 0.33 | 3830 | 1 00 | 0.54 | 0.27 | 4470 | 1 77 | 1 00 | 0.30 |
| 1818 | | | | | | | | | | | | 0.30 |
| 3220 1.51 | | | | | | | | | | | | 0.30 |
| 3224 2.92 1.69 | | | | | | | | | | | | 0.30 |
| 3224 | | | | | | | | | | | | |
| 3227 2.76 | 3223 | 2.09 | 1.08 | 0.36 | 4000 | 4.12 | 1.93 | 0.21 | 4557 | 2.30 | 1.35 | 0.33 |
| 3240 2.27 | | | | | | | | | | | | 0.30 |
| 1,241 2,49 | | | | | | | | | | | | 0.27 |
| 3255 2.09 | 3240 | 2.27 | 1.34 | 0.33 | | | | 0.24 | 4568 | 1.84 | 0.92 | 0.24 |
| 3257 | 3241 | | | 0.30 | 4036 | | | 0.24 | 4581 | 0.64 | 0.30 | 0.21 |
| 3270 | 3255 | 2.09 | 1.30 | 0.36 | 4038 | 2.62 | 1.63 | 0.36 | 4583 | 5.08 | 2.40 | 0.21 |
| 3300 2.73 1.55 0.30 4062 2.05 1.15 0.30 4663 1.777 1.04 3303 3101 1.85 0.33 4101 2.55 1.37 0.27 4665 5.62 2.80 3307 2.88 1.62 0.30 4109 0.40 0.24 0.33 4670 6.23 3.13 3315 4.08 2.39 0.33 4110 0.89 0.50 0.30 4683 3.61 2.03 3334 3.50 1.96 0.30 4111 1.25 0.73 0.33 4688 1.87 0.93 3336 2.38 1.18 0.24 4112 - 0.50 0.30 4692 0.49 0.29 3.365 5.61 2.79 0.24 4113 1.69 0.94 0.29 4693 0.04 0.47 3.372 2.99 1.60 0.27 4114 2.96 1.66 0.30 4703 1.70 0.95 3.373 3.75 2.11 0.30 4130 3.17 1.79 0.30 4717 1.87 1.17 3.383 0.98 0.57 0.33 4131 3.86 2.27 0.33 4720 1.40 0.79 3.385 0.74 0.43 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 4.10 0.79 3.507 1.95 1.10 0.30 4150 - 0.33 0.36 4741 1.96 1.10 3.507 1.95 1.10 0.30 4150 - 0.33 0.36 4741 1.96 1.10 3.516 - 0.95 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3.548 1.15 0.65 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3.548 1.15 0.65 0.30 4203 2.65 1.32 0.24 4225 0.96 0.48 3.559 1.93 1.09 0.30 4240 1.71 1.00 0.33 4828 1.43 0.76 3.574 0.60 0.35 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 0.48 3.559 1.93 1.09 0.30 4244 1.71 1.00 0.33 4828 1.43 0.76 3.574 0.60 0.35 0.33 4244 1.71 0.96 0.30 4829 0.49 | 3257 | 2.82 | 1.59 | 0.30 | 4053 | 1.54 | 0.87 | 0.30 | 4611 | 0.53 | 0.31 | 0.33 |
| 3303 3.16 1.85 0.33 4101 2.55 1.37 0.27 4665 5.62 2.80 | 3270 | 2.35 | 1.33 | 0.30 | 4061 | 2.20 | 1.28 | 0.33 | 4635 | 2.51 | 1.06 | 0.21 |
| 3307 2.88 | 3300 | 2.73 | 1.55 | 0.30 | 4062 | 2.05 | 1.15 | 0.30 | 4653 | 1.77 | 1.04 | 0.33 |
| 3307 2.88 | 3303 | 3.16 | 1.85 | 0.33 | 4101 | | | 0.27 | 4665 | 5.62 | 2.80 | 0.24 |
| 3334 3.50 1.96 0.30 4111 1.25 0.73 0.33 4886 1.87 0.93 3336 2.38 1.18 0.24 4112 - 0.50 0.30 4892 0.49 0.29 3365 5.61 2.79 0.24 4113 1.69 0.94 0.29 4693 0.84 0.47 0.37 0.37 0.37 0.37 0.37 0.38 0.84 0.47 0.37 0.37 0.37 0.37 0.38 0.84 0.47 0.37 0.37 0.37 0.38 0.84 0.47 0.95 0.37 0.38 0.84 0.47 0.95 0.37 0.38 0.98 0.57 0.33 4131 3.86 2.27 0.33 4720 1.40 0.79 0.3855 0.74 0.43 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 0.30 4150 - 0.33 0.36 4741 1.96 1.10 0.350 1.95 1.10 0.30 4150 - 0.33 0.36 4751 2.51 1.31 0.3507 1.95 1.10 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 0.35 0.35 0.30 4207 1.46 0.72 0.24 4477 3.79 1.59 3.548 1.15 0.65 0.30 4207 1.46 0.72 0.24 4425 0.96 0.48 3.559 1.93 1.09 0.30 4240 1.71 1.00 0.33 4828 1.43 0.76 0.3574 0.60 0.35 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 0.59 0.59 0.50 4207 1.65 0.96 0.34 4829 1.25 0.59 0.59 0.50 4207 1.46 0.72 0.24 4825 0.96 0.48 0.52 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 0.59 0.50 4207 1.65 0.75 0.59 0.30 4220 1.71 0.96 0.30 4829 1.25 0.59 0.59 0.50 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.59 0.50 4.65 0.59 0.30 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.59 0.50 4.65 0.59 0.50 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.59 0.30 4.65 0.59 0.50 | 3307 | 2.88 | | | 4109 | | | 0.33 | 4670 | 6.23 | | 0.24 |
| 3334 3.50 1.96 0.30 4111 1.25 0.73 0.33 4886 1.87 0.93 3336 2.38 1.18 0.24 4112 - 0.50 0.30 4892 0.49 0.29 3365 5.61 2.79 0.24 4113 1.69 0.94 0.29 4693 0.84 0.47 0.37 0.37 0.37 0.37 0.37 0.38 0.84 0.47 0.37 0.37 0.37 0.37 0.38 0.84 0.47 0.37 0.37 0.37 0.38 0.84 0.47 0.95 0.37 0.38 0.84 0.47 0.95 0.37 0.38 0.98 0.57 0.33 4131 3.86 2.27 0.33 4720 1.40 0.79 0.3855 0.74 0.43 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 0.30 4150 - 0.33 0.36 4741 1.96 1.10 0.350 1.95 1.10 0.30 4150 - 0.33 0.36 4751 2.51 1.31 0.3507 1.95 1.10 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 0.35 0.35 0.30 4207 1.46 0.72 0.24 4477 3.79 1.59 3.548 1.15 0.65 0.30 4207 1.46 0.72 0.24 4425 0.96 0.48 3.559 1.93 1.09 0.30 4240 1.71 1.00 0.33 4828 1.43 0.76 0.3574 0.60 0.35 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 0.59 0.59 0.50 4207 1.65 0.96 0.34 4829 1.25 0.59 0.59 0.50 4207 1.46 0.72 0.24 4825 0.96 0.48 0.52 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 0.59 0.50 4207 1.65 0.75 0.59 0.30 4220 1.71 0.96 0.30 4829 1.25 0.59 0.59 0.50 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.59 0.50 4.65 0.59 0.30 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.59 0.50 4.65 0.59 0.50 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.30 4.65 0.59 0.30 4.65 0.59 0.50 | 3315 | 4.08 | 2.39 | 0.33 | 4110 | 0.89 | 0.50 | 0.30 | 4683 | 3.61 | 2.03 | 0.30 |
| 3386 2.38 1.18 0.24 4112 - 0.50 0.30 4662 0.49 0.29 3365 5.61 2.79 0.24 4113 1.69 0.94 0.29 4693 0.84 0.47 3372 2.99 1.60 0.27 4114 2.96 1.66 0.30 4703 1.70 0.95 3373 3.75 2.11 0.30 4130 3.17 1.79 0.30 4717 1.87 1.17 3383 0.98 0.57 0.33 4131 3.86 2.27 0.33 4720 1.40 0.79 3385 0.74 0.43 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 3400 2.55 1.37 0.27 4149 0.52 0.33 0.36 4741 1.96 1.10 3507 1.95 1.10 0.30 4150 - 0.33 0.36 4741 1.96 1.10 3515 1.68 0.95 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 3516 - 0.95 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3548 1.15 0.65 0.30 4239 2.65 1.32 0.24 4825 0.96 0.48 3559 1.93 1.09 0.30 4240 1.71 1.00 0.33 4828 1.43 0.76 3574 0.60 0.35 0.33 4244 1.71 0.96 0.30 4829 1.25 0.59 3612 1.94 1.04 0.27 4250 1.63 0.92 0.30 4923 0.81 0.45 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5037 15.60 6.54 3634 1.40 0.82 0.33 4283 1.43 0.45 3629 1.47 0.86 0.33 4283 1.35 0.30 5037 15.60 6.54 3634 1.40 0.82 0.33 4283 1.35 0.99 0.30 4923 0.81 0.45 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5037 15.60 6.54 3634 1.41 0.80 0.30 4282 2.01 1.17 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4283 1.53 0.86 0.39 5059 15.61 6.51 3.44 3. | | | | | | | | | | | | 0.24 |
| 3365 | | | | | | | | | | | | 0.33 |
| 3372 2.99 1.60 0.27 4114 2.96 1.66 0.30 4703 1.70 0.95 3373 3.75 2.11 0.30 4130 3.17 1.79 0.30 4717 1.87 1.17 3385 0.98 0.57 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 3400 2.55 1.37 0.27 4149 0.52 0.33 0.36 4741 1.96 1.10 3507 1.95 1.10 0.30 4150 - 0.33 0.36 4741 1.96 1.10 3507 1.95 1.10 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 3515 1.68 0.95 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 3516 - 0.95 0.30 42207 1.46 0.72 0.24 4777 3 | | | | | | | | | | | | 0.30 |
| 3383 0.98 0.57 0.33 4131 3.86 2.27 0.33 4720 1.40 0.79 3385 0.74 0.43 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 3400 2.55 1.37 0.27 4149 0.52 0.33 0.36 4741 1.96 1.10 3507 1.95 1.10 0.30 4150 - 0.33 0.36 4771 1.96 1.10 3516 - 0.95 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 3516 - 0.95 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3548 1.15 0.66 0.30 4239 2.65 1.32 0.24 4825 0.96 0.48 3559 1.93 1.09 0.30 4249 1.71 1.00 0.33 4828 1.43 </td <td></td> <td>0.30</td> | | | | | | | | | | | | 0.30 |
| 3383 0.98 0.57 0.33 4131 3.86 2.27 0.33 4720 1.40 0.79 3385 0.74 0.43 0.33 4133 1.60 0.94 0.33 4740 2.44 1.21 3400 2.55 1.37 0.27 4149 0.52 0.33 0.36 4741 1.96 1.10 3507 1.95 1.10 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 3516 - 0.95 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3548 1.15 0.65 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3548 1.15 0.65 0.30 4239 2.65 1.32 0.24 4825 0.96 0.48 3554 0.60 0.35 0.33 4243 1.71 1.00 0.33 4828 | 3373 | 3 75 | 2 11 | 0.30 | 4130 | 3 17 | 1 70 | 0.30 | 1717 | 1 97 | 1 17 | 0.36 |
| 3385 | | | | | | | | | | | | 0.30 |
| 3400 2.55 1.37 0.27 4149 0.52 0.33 0.36 4741 1.96 1.10 3507 1.95 1.10 0.30 4150 - 0.33 0.36 4751 2.61 1.31 3515 1.68 0.95 0.30 4206 2.18 1.22 0.30 4771N 2.26 0.96 3516 - 0.95 0.30 4207 1.46 0.72 0.24 4777 3.79 1.59 3548 1.15 0.65 0.30 4239 2.65 1.32 0.24 4825 0.96 0.48 3559 1.93 1.09 0.30 4240 1.71 1.00 0.33 4829 1.25 0.59 3581 0.88 0.52 0.33 4244 1.71 0.96 0.30 4829 1.25 0.59 3581 0.88 0.52 0.33 4244 1.71 0.96 0.30 4902 2.9 | | | | | | | | | | | | |
| 3507 | | | | | | | | | | | | 0.24 |
| 3515 | | | | | | | | | | | | 0.30 |
| 3516 | 3507 | 1.95 | 1.10 | 0.30 | 4150 | _ | 0.33 | 0.36 | 4/51 | 2.61 | 1.31 | 0.24 |
| 3548 1.15 0.65 0.30 4239 2.65 1.32 0.24 4825 0.96 0.48 3559 1.93 1.09 0.30 4240 1.71 1.00 0.33 4828 1.43 0.76 3574 0.60 0.35 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 3581 0.88 0.52 0.33 4244 1.71 0.96 0.30 4902 2.92 1.70 3612 1.94 1.04 0.27 4250 1.63 0.92 0.30 4902 2.92 1.70 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.21</td></t<> | | | | | | | | | | | | 0.21 |
| 3559 | | | | | | | | | | | | 0.21 |
| 3574 0.60 0.35 0.33 4243 1.71 0.96 0.30 4829 1.25 0.59 3581 0.88 0.52 0.33 4244 1.71 0.96 0.30 4902 2.92 1.70 3612 1.94 1.04 0.27 4250 1.63 0.92 0.30 4923 0.81 0.45 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5022 6.40 3.00 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 <t< td=""><td>3548</td><td>1.15</td><td>0.65</td><td></td><td>4239</td><td></td><td></td><td>0.24</td><td>4825</td><td>0.96</td><td>0.48</td><td>0.24</td></t<> | 3548 | 1.15 | 0.65 | | 4239 | | | 0.24 | 4825 | 0.96 | 0.48 | 0.24 |
| 3581 0.88 0.52 0.33 4244 1.71 0.96 0.30 4902 2.92 1.70 3612 1.94 1.04 0.27 4250 1.63 0.92 0.30 4923 0.81 0.45 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5022 6.40 3.00 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 <t< td=""><td>3559</td><td>1.93</td><td>1.09</td><td>0.30</td><td>4240</td><td></td><td>1.00</td><td>0.33</td><td>4828</td><td>1.43</td><td>0.76</td><td>0.27</td></t<> | 3559 | 1.93 | 1.09 | 0.30 | 4240 | | 1.00 | 0.33 | 4828 | 1.43 | 0.76 | 0.27 |
| 3612 1.94 1.04 0.27 4250 1.63 0.92 0.30 4923 0.81 0.45 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5037 15.60 6.54 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 | 3574 | 0.60 | 0.35 | 0.33 | 4243 | 1.71 | 0.96 | 0.30 | 4829 | 1.25 | 0.59 | 0.21 |
| 3612 1.94 1.04 0.27 4250 1.63 0.92 0.30 4923 0.81 0.45 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5037 15.60 6.54 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 | 3581 | 0.88 | 0.52 | 0.33 | 4244 | 1.71 | 0.96 | 0.30 | 4902 | 2.92 | 1.70 | 0.33 |
| 3620 4.63 2.32 0.24 4251 1.85 1.04 0.30 5020 6.40 3.19 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5022 6.40 3.00 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 <td< td=""><td>3612</td><td>1.94</td><td>1.04</td><td>0.27</td><td>4250</td><td></td><td></td><td>0.30</td><td>4923</td><td>0.81</td><td>0.45</td><td>0.30</td></td<> | 3612 | 1.94 | 1.04 | 0.27 | 4250 | | | 0.30 | 4923 | 0.81 | 0.45 | 0.30 |
| 3629 1.47 0.86 0.33 4263 3.37 1.92 0.30 5022 6.40 3.00 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5037 15.60 6.54 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5069 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 | | | | | | | | | | | | 0.24 |
| 3632 2.54 1.36 0.27 4273 2.36 1.33 0.30 5037 15.60 6.54 3634 1.40 0.82 0.33 4279 1.85 1.04 0.30 5040 6.95 2.92 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 4.98 2.34 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 4.91 2.44 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.21</td></t<> | | | | | | | | | | | | 0.21 |
| 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 4.98 2.34 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 4.91 2.44 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.21</td></td<> | | | | | | | | | | | | 0.21 |
| 3635 2.21 1.24 0.30 4282 2.01 1.17 0.33 5057 5.41 2.28 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 4.98 2.34 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 4.91 2.44 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 <td< td=""><td>3634</td><td>1 40</td><td>0.82</td><td>0.33</td><td>4279</td><td>1.85</td><td>1 04</td><td>0.30</td><td>5040</td><td>6 95</td><td>2 92</td><td>0.21</td></td<> | 3634 | 1 40 | 0.82 | 0.33 | 4279 | 1.85 | 1 04 | 0.30 | 5040 | 6 95 | 2 92 | 0.21 |
| 3638 1.21 0.71 0.33 4283 1.53 0.86 0.30 5059 18.58 7.87 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 4.98 2.34 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 4.91 2.44 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.21</td></td<> | | | | | | | | | | | | 0.21 |
| 3642 1.00 0.56 0.30 4299 1.48 0.87 0.33 5069 15.61 6.51 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 4.98 2.34 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 4.91 2.44 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 | | | | | | | | | | | | 0.21 |
| 3643 1.41 0.80 0.30 4301 - 1.04 0.30 5102 4.98 2.34 3647 1.47 0.79 0.27 4304 3.81 2.05 0.27 5146 4.91 2.44 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 | | | | | | | | | | | | 0.20 |
| 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 | | | | | | | | | | | | 0.21 |
| 3648 1.11 0.65 0.33 4307 1.49 0.93 0.36 5160 2.65 1.24 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 | 2647 | 4 47 | 0.70 | 0.07 | 4204 | 2.04 | 2.05 | 0.07 | E140 | 4.04 | 0.44 | 0.04 |
| 3681 0.72 0.42 0.33 4351 1.18 0.66 0.29 5183 3.88 1.93 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 | | | | | | | | | | | | 0.24 |
| 3685 0.97 0.57 0.33 4352 1.29 0.76 0.33 5188 5.17 2.57 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | | | | | | | | | | | | 0.21 |
| 3719 1.19 0.50 0.21 4360 1.24 0.72 0.33 5190 4.17 2.07 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | | | | | | | | | | | | 0.24 |
| 3724 2.85 1.34 0.21 4361 0.99 0.58 0.33 5191 0.66 0.37 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | | | | | | | | | | | | 0.24 |
| 3726 4.69 1.97 0.21 4362 - 0.72 0.33 5192 3.07 1.73 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | 3719 | 1.19 | 0.50 | 0.21 | 4360 | 1.24 | 0.72 | 0.33 | 5190 | 4.17 | 2.07 | 0.24 |
| 3803 1.96 1.10 0.30 4410 2.89 1.63 0.30 5213 6.39 3.00 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | | | | | | 0.99 | | | | | | 0.30 |
| 3807 1.63 0.96 0.33 4417 - 1.63 0.30 5215 4.00 2.14 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | 3726 | 4.69 | | | | _ | | | 5192 | | | 0.30 |
| 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | 3803 | 1.96 | 1.10 | 0.30 | 4410 | 2.89 | 1.63 | 0.30 | 5213 | 6.39 | 3.00 | 0.21 |
| 3808 3.42 1.82 0.27 4420 6.85 3.20 0.21 5221 4.41 2.19 3821 5.76 3.10 0.27 4431 1.15 0.72 0.36 5222 8.52 3.99 | 3807 | 1.63 | 0.96 | 0.33 | 4417 | _ | 1.63 | 0.30 | 5215 | 4.00 | 2.14 | 0.27 |
| | 3808 | 3.42 | | 0.27 | 4420 | 6.85 | | 0.21 | 5221 | 4.41 | 2.19 | 0.24 |
| | 3821 | 5.76 | 3.10 | 0.27 | 4431 | 1.15 | 0.72 | 0.36 | 5222 | 8.52 | 3.99 | 0.21 |
| ■ 3822X 3.78 2.02 0.27 ■ 4432 0.99 0.62 0.36 ■ 5223 4.57 2.28 | 3822X | 3.78 | 2.02 | 0.27 | 4432 | 0.99 | 0.62 | 0.36 | 5223 | 4.57 | 2.28 | 0.24 |
| 3824X 3.11 1.67 0.27 4439 1.56 0.83 0.27 5348 4.13 2.05 | | | | | | | | | | | | 0.24 |
| 3826 | | | | | | | | | | | | 0.33 |
| 3827 1.51 0.81 0.27 4459 2.22 1.25 0.30 5403 5.81 2.73 | | | | | | | | | | | | 0.21 |

 $^{^{\}star}\,$ Refer to the Footnotes Page for additional information on this class code.

Exhibit III Page S3

| CLASS CODE | LOSS COST | ELR | D RATIO | CLASS CODE | LOSS COST | ELR | D RATIO | CLASS CODE | LOSS COST | ELR | D RATIO |
|---------------|--------------|--------------|--------------|---------------|--------------|------|--------------|---------------|--------------|------|--------------|
| | | | | | | | | | | | |
| 5437 | 5.09 | 2.53 | 0.24 | 6826F | 3.99 | 1.60 | 0.23 | 7453N | 0.41 2.41 | 4.00 | - 0.24 |
| 5443 | 3.69 | 2.08 | 0.30 | 6834 | 2.56 | 1.37 | 0.27 | 7502 | | 1.20 | 0.24 |
| 5445 | 8.91 | 4.19 | 0.21 | 6836 | 3.99 | 1.99 | 0.24 | 7515 | 1.08 | 0.46 | 0.21 |
| 5462 | 6.09 | 3.03 | 0.24 | 6843F | 9.11 | 3.20 | 0.19 | 7520 | 2.88 | 1.63 | 0.30 |
| 5472 | 3.97 | 1.66 | 0.21 | 6845F | 8.23 | 2.89 | 0.19 | 7529X | 17.31 | 7.29 | 0.21 |
| 5473 | 10.67 | 4.51 | 0.21 | 6854 | 3.90 | 1.64 | 0.21 | 7538 | 8.23 | 3.48 | 0.21 |
| 5474 | 6.40 | 3.01 | 0.21 | 6872F | 8.85 | 3.09 | 0.19 | 7539 | 2.12 | 0.99 | 0.21 |
| 5478 | 3.23 | 1.60 | 0.24 | 6874F | 14.33 | 5.01 | 0.19 | 7540 | 4.96 | 2.10 | 0.21 |
| 5479 | 6.14 | 3.29 | 0.27 | 6882 | 4.22 | 1.77 | 0.21 | 7580 | 2.84 | 1.41 | 0.24 |
| 5480 | 5.11 | 2.39 | 0.21 | 6884 | 5.48 | 2.28 | 0.21 | 7590 | 3.69 | 1.98 | 0.27 |
| 5491 | 2.73 | 1.28 | 0.21 | 7016M | 3.56 | 1.49 | 0.21 | 7600 | 4.93 | 2.45 | 0.24 |
| 5506 | 5.93 | 2.51 | 0.21 | 7024M | 3.95 | 1.65 | 0.21 | 7601 | _ | 2.45 | 0.24 |
| 5507 | 4.23 | 1.98 | 0.21 | 7038M | 4.31 | 1.83 | 0.20 | 7605 | 2.08 | 1.04 | 0.24 |
| 5508 | 11.37 | 5.62 | 0.24 | 7046M | 5.87 | 2.46 | 0.21 | 7610 | 0.54 | 0.29 | 0.27 |
| 5535 | 6.77 | 3.38 | 0.24 | 7047M | 7.01 | 2.76 | 0.21 | 7611 | - | 2.45 | 0.24 |
| 5537 | 4.95 | 2.46 | 0.24 | 7050M | 8.50 | 3.40 | 0.20 | 7612 | _ | 2.45 | 0.24 |
| 5551 | 15.20 | 6.43 | 0.20 | 7090M | 4.79 | 2.03 | 0.20 | 7613 | _ | 2.45 | 0.24 |
| 5606 | 1.32 | 0.62 | 0.21 | 7098M | 6.52 | 2.74 | 0.21 | 7705 | 7.43 | 3.98 | 0.27 |
| 5610 | 6.11 | 3.45 | 0.30 | 7099M | 11.57 | 4.59 | 0.21 | 7710 | 4.82 | 2.27 | 0.21 |
| 5645 | 12.91 | 6.08 | 0.21 | 7133 | 4.18 | 1.97 | 0.21 | 7711 | 4.82 | 2.27 | 0.21 |
| 5651 | _ | 6.08 | 0.21 | 7151M | 5.08 | 2.39 | 0.21 | 7720X | 1.95 | 0.97 | 0.24 |
| 5703 | 13.59 | 6.74 | 0.24 | 7152M | 10.02 | 4.45 | 0.21 | 7723X | 3.04 | 1.29 | 0.20 |
| 5705 | 19.63 | 9.82 | 0.24 | 7153M | 5.64 | 2.65 | 0.21 | 7855 | 3.20 | 1.59 | 0.24 |
| 5951 | 0.28 | 0.17 | 0.33 | 7222X | 6.87 | 3.40 | 0.24 | 8001 | 2.16 | 1.27 | 0.33 |
| 6003 | 9.07 | 4.50 | 0.24 | 7228X | 6.84 | 3.39 | 0.24 | 8002 | 1.61 | 0.92 | 0.30 |
| 0003 | 3.01 | 4.50 | 0.24 | 12207 | 0.04 | | | 0002 | 1.01 | 0.32 | 0.50 |
| 6005 | 5.15 | 2.53 | 0.24 | 7229X | 10.52 | 4.91 | 0.21 | 8006 | 2.97 | 1.68 | 0.30 |
| 6017 | 4.40 | 2.17 | 0.24 | 7230X | 7.94 | 4.25 | 0.27 | 8008 | 1.19 | 0.70 | 0.33 |
| 6018 | 3.08 | 1.51 | 0.24 | 7231 | 7.06 | 3.77 | 0.27 | 8010 | 1.25 | 0.73 | 0.33 |
| 6045 | 4.12 | 2.04 | 0.24 | 7232X | 8.88 | 4.14 | 0.21 | 8013 | 0.35 | 0.20 | 0.30 |
| 6204 | 9.39 | 4.42 | 0.21 | 7309F | 12.56 | 4.41 | 0.19 | 8015 | 0.76 | 0.43 | 0.30 |
| 6206 | 3.55 | 1.49 | 0.21 | 7313F | 2.57 | 0.90 | 0.19 | 8017 | 1.47 | 0.87 | 0.33 |
| 6213 | 2.20 | 1.03 | 0.21 | 7317F | 9.75 | 3.35 | 0.19 | 8018 | 1.94 | 1.13 | 0.33 |
| 6214 | 2.69 | 1.13 | 0.21 | 7323 | _ | 1.38 | 0.20 | 8021 | 2.34 | 1.32 | 0.30 |
| 6216 | 6.27 | 2.63 | 0.21 | 7327F | 12.80 | 4.53 | 0.19 | 8031 | 2.99 | 1.70 | 0.30 |
| 6217 | 5.46 | 2.56 | 0.21 | 7333M | 3.81 | 1.59 | 0.21 | 8032 | 1.79 | 1.05 | 0.33 |
| 6229 | 3.80 | 1.78 | 0.21 | 7335M | 4.23 | 1.76 | 0.21 | 8033 | 1.54 | 0.87 | 0.30 |
| 6233 | 2.62 | 1.22 | 0.21 | 7337M | 7.51 | 2.95 | 0.21 | 8037 | 1.79 | 1.05 | 0.33 |
| 6235 | 5.94 | 2.49 | 0.21 | 7350F | 9.67 | 3.72 | 0.20 | 8039 | 1.94 | 1.14 | 0.33 |
| 6236 | 10.59 | 5.26 | 0.24 | 7360 | 4.29 | 2.13 | 0.24 | 8044 | 3.18 | 1.70 | 0.27 |
| 6237 | 1.73 | 0.86 | 0.24 | 7370 | 6.14 | 3.45 | 0.30 | 8045 | 0.48 | 0.28 | 0.33 |
| 6251D | 6.36 | 2.94 | 0.21 | 7380 | 4.59 | 2.45 | 0.27 | 8046 | 2.43 | 1.38 | 0.30 |
| 6252D | 4.14 | 1.73 | 0.21 | 7382 | 4.55 | 2.56 | 0.30 | 8047 | 0.87 | 0.51 | 0.33 |
| 6260 | 5.93 | 2.48 | 0.21 | 7390 | 4.59 | 2.58 | 0.30 | 8058 | 2.55 | 1.44 | 0.30 |
| 6306 | 4.83 | 2.26 | 0.21 | 7394M | 3.82 | 1.59 | 0.21 | 8072 | 0.67 | 0.39 | 0.33 |
| 6319 | 5.39 | 2.53 | 0.21 | 7395M | 4.24 | 1.77 | 0.21 | 8102 | 1.27 | 0.74 | 0.33 |
| | | | | | | | | | | | |
| 6325 6400 | 4.95 5.86 | 2.32 3.14 | 0.21 0.27 | 7398M 7402 | 7.53 0.13 | 2.96 | 0.21 0.30 | 8103 8105 | 1.95 | 1.05 | 0.27 0.33 |
| | | | | | 0.13 | 0.08 | | | 1.98 | 1.16 | |
| 6503 | 1.54 | 0.90 | 0.33 | 7403 | 4.59 | 2.29 | 0.24 | 8106 | 3.44 | 1.71 | 0.24 |
| 6504 | 2.06 | 1.21 | 0.33 | 7405N | 1.95 | 0.97 | 0.24 | 8107 | 3.56 | 1.77 | 0.24 |
| 6702M* | 3.89 | 1.93 | 0.24 | 7420 | 11.91 | 4.93 | 0.21 | 8111 | 1.92 | 1.08 | 0.30 |
| 6703M* | 7.67 | 3.59 | 0.24 | 7421 | 0.88 | 0.41 | 0.21 | 8116 | 2.45 | 1.39 | 0.30 |
| 6704M* | 4.32 | 2.14 | 0.24 | 7422 | 2.01 | 0.85 | 0.21 | 8203 | 6.28 | 3.55 | 0.30 |
| 6801F | 2.60 | 1.05 | 0.23 | 7425 | 2.65 | 1.10 | 0.21 | 8204 | 3.03 | 1.51 | 0.24 |
| 6811 | 6.55 | 3.25 | 0.24 | 7431N | 1.24 | 0.52 | 0.21 | 8209 | 2.94 | 1.66 | 0.30 |
| 6824F | 7.88 | 3.05 | 0.20 | 7445N | 0.65 | _ | _ | 8215 | 3.17 | 1.58 | 0.24 |

^{*} Refer to the Footnotes Page for additional information on this class code.

Exhibit III Page S4

| CLASS | LOSS | | D | CLASS | LOSS | orii 1, 2016 | D | CLASS | LOSS | | D |
|--------|-------|------|-------|-------|-------|--------------|-------|-------|------|------|-------|
| CODE | COST | ELR | RATIO | CODE | COST | ELR | RATIO | CODE | COST | ELR | RATIO |
| 8227 | 4.32 | 1.82 | 0.21 | 8842X | 2.01 | 1.14 | 0.30 | 9620 | 0.95 | 0.51 | 0.27 |
| 8232 | 4.15 | 2.07 | 0.24 | 8848X | 2.49 | 1.41 | 0.30 | | | | |
| 8233 | 2.63 | 1.30 | 0.24 | 8849X | 2.70 | 1.52 | 0.30 | | | | |
| 8235 | 4.15 | 2.35 | 0.30 | 8855 | 0.12 | 0.07 | 0.30 | | | | |
| 8236X | 4.89 | 2.42 | 0.24 | 8856 | 0.18 | 0.10 | 0.30 | | | | |
| | | | | | | | | | | | |
| 8263 | 5.38 | 2.91 | 0.27 | 8864X | 1.26 | 0.71 | 0.30 | | | | |
| 8264 | 4.19 | 2.09 | 0.24 | 8868 | 0.46 | 0.27 | 0.33 | | | | |
| 8265 | 5.76 | 2.71 | 0.21 | 8869 | 1.10 | 0.65 | 0.33 | | | | |
| 8279 | 7.15 | 3.40 | 0.20 | 8871 | 0.10 | 0.06 | 0.33 | | | | |
| 8288 | 6.85 | 3.43 | 0.24 | 8901 | 0.19 | 0.10 | 0.27 | | | | |
| | | | | | | | | | | | |
| 8291X | 4.18 | 2.25 | 0.27 | 9012 | 1.01 | 0.54 | 0.27 | | | | |
| 8292X | 3.14 | 1.77 | 0.30 | 9014 | 2.60 | 1.47 | 0.30 | | | | |
| 8293X | 10.77 | 5.36 | 0.24 | 9015 | 2.96 | 1.67 | 0.30 | | | | |
| 8304 | 4.04 | 2.01 | 0.24 | 9016 | 2.64 | 1.50 | 0.30 | | | | |
| 8350 | 7.15 | 3.36 | 0.21 | 9019 | 2.09 | 1.04 | 0.24 | | | | |
| 8380 | 2.36 | 1.27 | 0.27 | 9033 | 1.73 | 0.98 | 0.30 | | | | |
| 8381 | 1.72 | 0.93 | 0.27 | 9040 | 2.93 | 1.72 | 0.33 | | | | |
| 8385 | 2.33 | 1.16 | 0.24 | 9044 | 1.43 | 0.84 | 0.33 | | | | |
| 8392 | 2.26 | 1.29 | 0.30 | 9052 | 1.90 | 1.12 | 0.33 | | | | |
| 8393 | 1.53 | 0.86 | 0.30 | 9058 | 1.31 | 0.82 | 0.36 | | | | |
| 0030 | 1.55 | 0.00 | 0.50 | 3030 | 1.51 | 0.02 | 0.50 | | | | |
| 8500 | 4.80 | 2.39 | 0.24 | 9059 | _ | 0.65 | 0.33 | | | | |
| 8601 | 0.48 | 0.26 | 0.27 | 9060 | 1.11 | 0.65 | 0.33 | | | | |
| 8602 | 0.93 | 0.50 | 0.27 | 9061 | 0.98 | 0.62 | 0.36 | | | | |
| 8603 | 0.08 | 0.04 | 0.30 | 9062 | 1.24 | 0.77 | 0.36 | | | | |
| 8606 | 2.82 | 1.32 | 0.21 | 9063 | 0.92 | 0.55 | 0.34 | | | | |
| | | | | | | | | | | | |
| 8709F | 4.00 | 1.41 | 0.19 | 9077F | 1.79 | 0.79 | 0.29 | | | | |
| 8710 | _ | 0.98 | 0.24 | 9082 | 1.15 | 0.72 | 0.36 | | | | |
| 8719 | 2.85 | 1.20 | 0.21 | 9083 | 1.19 | 0.74 | 0.36 | | | | |
| 8720 | 1.68 | 0.84 | 0.24 | 9084 | 1.27 | 0.72 | 0.30 | | | | |
| 8721 | 0.27 | 0.13 | 0.24 | 9089 | 1.46 | 0.87 | 0.34 | | | | |
| 8723 | 0.16 | 0.09 | 0.30 | 9093 | 1.23 | 0.72 | 0.34 | | | | |
| 8725 | 2.14 | 1.07 | 0.24 | 9101 | 2.82 | 1.66 | 0.33 | | | | |
| 8726F | 2.51 | 1.01 | 0.23 | 9102 | 2.70 | 1.53 | 0.30 | | | | |
| 8734M | 0.51 | 0.26 | 0.24 | 9154 | 1.70 | 0.96 | 0.30 | | | | |
| 8737M | 0.46 | 0.23 | 0.24 | 9156 | 2.12 | 1.14 | 0.27 | | | | |
| 0/0/10 | 0.10 | 0.20 | 0.21 | 0100 | 2.12 | | 0.21 | | | | |
| 8738M | 0.91 | 0.43 | 0.24 | 9170 | 5.77 | 2.44 | 0.20 | | | | |
| 8742 | 0.38 | 0.19 | 0.24 | 9178 | 6.21 | 3.92 | 0.36 | | | | |
| 8745 | 4.53 | 2.45 | 0.27 | 9179 | 10.10 | 5.93 | 0.33 | | | | |
| 8748 | 0.62 | 0.33 | 0.27 | 9180 | 4.03 | 2.03 | 0.24 | | | | |
| 8755 | 0.41 | 0.21 | 0.24 | 9182 | 1.84 | 1.05 | 0.30 | | | | |
| 0706 | | | | 0405 | | | | | | | |
| 8799 | 0.48 | 0.27 | 0.30 | 9186 | 12.02 | 5.69 | 0.21 | ĺ | | | |
| 8800 | 1.20 | 0.75 | 0.36 | 9220 | 4.37 | 2.34 | 0.27 | | | | |
| 8803 | 0.08 | 0.04 | 0.24 | 9402 | 4.68 | 2.32 | 0.24 | | | | |
| 8805M | 0.18 | 0.10 | 0.30 | 9403 | 7.42 | 3.48 | 0.21 | | | | |
| 8810 | 0.13 | 0.08 | 0.30 | 9410 | 2.44 | 1.38 | 0.30 | | | | |
| 8814M | 0.16 | 0.09 | 0.30 | 9501 | 3.10 | 1.66 | 0.27 | | | | |
| 8815M | 0.10 | 0.09 | 0.30 | 9505 | 3.24 | 1.74 | 0.27 | | | | |
| 8820 | 0.31 | 0.18 | 0.30 | 9516 | 5.08 | 2.53 | 0.27 | | | | |
| 8824 | 2.84 | 1.67 | 0.27 | 9516 | 3.53 | 1.76 | 0.24 | | | | |
| 8825 | 1.42 | 0.89 | 0.36 | 9519 | 4.31 | 2.15 | 0.24 | | | | |
| | 2 | 0.00 | 0.00 | I | | | V.E. | | | | |
| 8826 | 2.73 | 1.54 | 0.30 | 9522 | 1.60 | 0.90 | 0.30 | | | | |
| 8831 | 1.21 | 0.69 | 0.30 | 9534 | 6.58 | 3.07 | 0.21 | ĺ | | | |
| 8832 | 0.34 | 0.19 | 0.30 | 9554 | 12.94 | 6.10 | 0.21 | ĺ | | | |
| 8833 | 1.33 | 0.75 | 0.30 | 9586 | 0.51 | 0.32 | 0.36 | | | | |
| 8835 | 2.33 | 1.32 | 0.30 | 9600 | 1.94 | 1.13 | 0.33 | Ī | | | |

^{*} Refer to the Footnotes Page for additional information on this class code.

FOOTNOTES

D Advisory loss cost for classification already includes the specific disease loading shown in the table below. See **Basic Manual** Rule 3-A-7.

| | Disease | | | Disease | | | Disease | |
|----------|---------|--------|----------|---------|--------|----------|---------|--------|
| Code No. | Loading | Symbol | Code No. | Loading | Symbol | Code No. | Loading | Symbol |
| 0059D | 0.34 | S | 1624D | 0.02 | S | 3082D | 0.05 | S |
| 0065D | 0.08 | S | 1741D | 0.34 | S | 3085D | 0.07 | S |
| 0066D | 0.08 | S | 1803D | 0.64 | S | 4024D | 0.02 | S |
| 0067D | 0.08 | S | 1852D | 0.06 | Asb | 6251D | 0.04 | S |
| 1165XD | 0.03 | S | 3081D | 0.07 | S | 6252D | 0.03 | S |

Asb=Asbestos, S=Silica

- F Advisory loss cost provides for coverage under the United States Longshore and Harbor Workers Compensation Act and its extensions. Loss cost contains a provision for USL&HW Assessment.
- M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA). However, the published loss cost is for risks that voluntarily purchase standard workers compensation and employers liability coverage. A provision for the USL&HW Assessment is included for those classifications under Program II USL Act.
- N This code is part of a ratable / non-ratable group shown below. The statistical non-ratable code and corresponding advisory loss cost are applied in addition to the basic classification when determining premium.

| Class | Non-Ratable |
|-------|--------------|
| Code | Element Code |
| 4771 | 0771 |
| 7405 | 7445 |
| 7431 | 7453 |

- P Classification is computed on a per capita basis.
- X Refer to special classification phraseology in these pages which is applicable in this state.

* Class Codes with Specific Footnotes

- 2705 An upset payroll of \$4.00 per cord shall be used for premium computation purposes in all instances.
- 6702 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way no work on elevated railroads. Otherwise, assign appropriate construction or erection code loss cost and elr each x 1.215.
- 6703 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost x 2.396 and elr x 2.26.
- 6704 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost and elr each x 1.35.

Effective April 1, 2016

ADVISORY MISCELLANEOUS VALUES

Advisory Loss Elimination Ratios - The following percentages represent the portion of total loss eliminated per claim and are applicable by hazard group. They do not include a safety factor.

| | Advisory Loss Elimination Ratios | | | | | | | | | | | |
|------------|----------------------------------|--------------|-------|------|------|------|------|--|--|--|--|--|
| Deductible | | HAZARD GROUP | | | | | | | | | | |
| Amount | Α | В | С | D | E | F | G | | | | | |
| \$100 | 1.1% | 0.8% | 0.7% | 0.5% | 0.3% | 0.2% | 0.2% | | | | | |
| \$200 | 2.0% | 1.5% | 1.2% | 0.9% | 0.6% | 0.4% | 0.4% | | | | | |
| \$300 | 2.7% | 2.1% | 1.8% | 1.3% | 0.9% | 0.6% | 0.5% | | | | | |
| \$400 | 3.4% | 2.7% | 2.2% | 1.6% | 1.1% | 0.8% | 0.7% | | | | | |
| \$500 | 4.0% | 3.1% | 2.6% | 1.9% | 1.4% | 0.9% | 0.8% | | | | | |
| \$1,000 | 6.3% | 4.9% | 4.2% | 3.1% | 2.3% | 1.6% | 1.4% | | | | | |
| \$1,500 | 8.0% | 6.3% | 5.4% | 4.1% | 3.1% | 2.2% | 1.9% | | | | | |
| \$2,000 | 9.4% | 7.4% | 6.4% | 4.9% | 3.7% | 2.7% | 2.3% | | | | | |
| \$2,500 | 10.6% | 8.3% | 7.2% | 5.6% | 4.3% | 3.2% | 2.7% | | | | | |
| \$5,000 | 15.2% | 12.0% | 10.7% | 8.5% | 6.8% | 5.3% | 4.5% | | | | | |

Basis of premium applicable in accordance with **Basic Manual** footnote instructions for Code 7370 --"Taxicab Co.":

| Employee operated vehicle | \$65,200 \$43,500 |
|---|----------------------|
| Catastrophe (other than Certified Acts of Terrorism) - (Advisory Loss Cost) | \$0.01 |
| Maximum Weekly Payroll applicable in accordance with <i>Basic Manual</i> Rule 2-E-1 "Executive Officers" and the <i>Basic Manual</i> footnote instructions for Code 9178 "Athletic Sports or Park: Non-Contact Sports," and Code 9179 "Athletic Sports or Park: Contact Sports" | \$1,700 |
| Minimum Weekly Payroll applicable in accordance with Basic Manual Rule 2-E-1 "Executive Officers" | \$850 |
| Premium Determination for Partners and Sole Proprietors in accordance with Basic Manual Rule 2-E-3 (Annual Payroll) | \$43,500 |
| Terrorism - (Advisory Loss Cost) | \$0.01 |
| United States Longshore and Harbor Workers' Compensation Coverage Percentage applicable only in connection with <i>Basic Manual</i> Rule 3-A-4 | 92% |

(Multiply a Non-F classification loss cost by a factor of 1.92 to adjust for differences in benefits and loss-based expenses. This factor is the product of the adjustment for differences in benefits (1.82) and the adjustment for differences in loss-based expenses (1.053).)

Experience Rating Eligibility

A risk is eligible for experience rating when the payrolls or other exposures developed in the last year or last two years of the experience period produced a premium of at least \$10,000. If more than two years, an average annual premium of at least \$5,000 is required. These amounts are applicable for ratings effective date April 1, 2016 and subsequent. The *Experience Rating Plan Manual* should be referenced for the latest approved eligibility amounts by state.

Effective April 1, 2016

TABLE OF WEIGHTING VALUES APPLICABLE TO ALL POLICIES

Experience Rating Program - ERA

| Expected | Weighting |
|---------------------|---|
| Losses | Values |
| | |
| 422,973 1,501,463 | 0.44 |
| 501,464 1,584,498 | 0.45 |
| 584,499 1,672,484 | 0.46 |
| 672,485 1,765,880 | 0.47 |
| 765,881 1,865,201 | 0.48 |
| 365,202 1,971,029 | 0.49 |
| 971,030 2,084,026 | 0.50 |
| 084,027 2,204,949 | 0.51 |
| 204,950 2,334,662 | 0.52 |
| 334,663 2,474,160 | 0.53 |
| 474,161 2,624,594 | 0.54 |
| 624,595 2,787,304 | 0.55 |
| | |
| 787,305 2,963,858 | 0.56 |
| 963,859 3,156,101 | 0.57 |
| 156,102 3,366,223 | 0.58 |
| 3,596,841 | 0.59 |
| 596,842 3,851,108 | 0.60 |
| 351,109 4,132,859 | 0.61 |
| 132,860 4,446,806 | 0.62 |
| 446,807 4,798,804 | 0.63 |
| 798,805 5,196,216 | 0.64 |
| 196,217 5,648,439 | 0.65 |
| 648,440 6,167,655 | 0.66 |
| 167,656 6,769,940 | 0.67 |
| 769,941 7,476,966 | 0.68 |
| 476,967 8,318,659 | 0.69 |
| 318,660 9,337,545 | 0.70 |
| 337,546 10,596,164 | 0.71 |
| 596,165 12,190,409 | 0.72 |
| 190,410 14,275,184 | 0.73 |
| 275,185 17,118,052 | 0.74 |
| 118,053 21,224,408 | 0.75 |
| 224,409 27,677,244 | 0.76 |
| 677,245 39,292,334 | 0.77 |
| 292,335 66,394,187 | 0.78 |
| 192,333 00,394,107 | 0.70 |
| 394,188 201,903,391 | 0.79 |
| 903,392 AND OVER | 0.80 |
| | |
| | |
| | |
| | 12.05 \$301,500 \$603,000 \$469,500 \$939,000 \$55,000 \$16,000 |
| | |

EXPERIENCE RATING PLAN MANUAL

Effective April 1, 2016

TABLE OF BALLAST VALUES APPLICABLE TO ALL POLICIES

Experience Rating Plan - ERA

| Expected | Ballast | Experience Ratin | Ballast | Expecte | ed | Ballast |
|---------------|------------------------------------|------------------------------------|--------------|-----------|------------------------|---------|
| Losses | Values | Losses | Values | Losses | | Values |
| | | | | | | |
| 0 | 64,815 30,125 | 2,079,842 2,140 | ,057 241,000 | 4,187,981 | 4,248,221 | 451,875 |
| 64,816 1 | 111,552 36,150 | 2,140,058 2,200 | ,275 247,025 | 4,248,222 | 4,308,463 | 457,900 |
| 111,553 1 | 165,254 42,175 | 2,200,276 2,260 | | 4,308,464 | 4,368,705 | 463,925 |
| 165,255 2 | 221,906 48,200 | 2,260,495 2,320 | ,715 259,075 | 4,368,706 | 4,428,947 | 469,950 |
| 221,907 2 | 279,936 54,225 | 2,320,716 2,380 | ,938 265,100 | 4,428,948 | 4,489,189 | 475,975 |
| 070 007 | 00.005 | 0.000.000 | 100 071 105 | 4 400 400 | 4.540.400 | 400.000 |
| | 338,695 60,250 | 2,380,939 2,441 | | 4,489,190 | 4,549,432 | 482,000 |
| | 397,878 66,275 | 2,441,163 2,501 | | 4,549,433 | 4,609,675 4,669,918 | 488,025 |
| | 157,330 72,300 | 2,501,388 2,561 | | 4,609,676 | | 494,050 |
| | 516,961 78,325 | 2,561,614 2,621 | | 4,669,919 | 4,730,161 | 500,075 |
| 516,962 5 | 576,717 84,350 | 2,621,842 2,682 | ,069 295,225 | 4,730,162 | 4,790,404 | 506,100 |
| 576,718 6 | 336,564 90,375 | 2,682,070 2,742 | ,298 301,250 | 4,790,405 | 4,850,647 | 512,125 |
| 636,565 6 | 96,479 96,400 | 2,742,299 2,802 | ,528 307,275 | 4,850,648 | 4,910,891 | 518,150 |
| 696,480 7 | 756,447 102,425 | 2,802,529 2,862 | ,760 313,300 | 4,910,892 | 4,971,135 | 524,175 |
| 756,448 8 | 316,455 108,450 | 2,862,761 2,922 | ,991 319,325 | 4,971,136 | 5,031,379 | 530,200 |
| 816,456 8 | 376,496 114,475 | 2,922,992 2,983 | ,224 325,350 | 5,031,380 | 5,091,623 | 536,225 |
| 070 407 | 200 500 | 0.000.005 | 457 004 075 | 5 004 004 | 5 454 007 | 540.050 |
| | 936,563 120,500 | 2,983,225 3,043 | | 5,091,624 | 5,151,867 | 542,250 |
| , | 996,653 126,525 | 3,043,458 3,103 | | 5,151,868 | 5,212,111 | 548,275 |
| | 056,760 132,550 | 3,103,692 3,163 | | 5,212,112 | 5,272,356 | 554,300 |
| | 116,883 138,575 | 3,163,926 3,224 | | 5,272,357 | 5,332,600 | 560,325 |
| 1,116,884 1,1 | 177,018 144,600 | 3,224,162 3,284 | ,396 355,475 | 5,332,601 | 5,392,845 | 566,350 |
| 1,177,019 1,2 | 237,165 150,625 | 3,284,397 3,344 | ,632 361,500 | 5,392,846 | 5,453,090 | 572,375 |
| 1,237,166 1,2 | 297,321 156,650 | 3,344,633 3,404 | .869 367,525 | 5,453,091 | 5,513,335 | 578,400 |
| 1,297,322 1,3 | 357,485 162,675 | 3,404,870 3,465 | ,106 373,550 | 5,513,336 | 5,573,580 | 584,425 |
| | 117,656 168,700 | 3,465,107 3,525 | | 5,573,581 | 5,633,825 | 590,450 |
| | 177,834 174,725 | 3,525,345 3,585 | | 5,633,826 | 5,694,070 | 596,475 |
| 1 477 005 4 5 | 20.040 400.750 | 2 505 502 2 245 | 920 204 025 | E 604 074 | E 7E2 07E | 600 500 |
| | 538,018 180,750 598,206 186,775 | 3,585,583 3,645 3,645,821 3,706 | | 5,694,071 | 5,753,875 | 602,500 |
| | | , , | | | | |
| | 358,399 192,800 340,500 400,805 | 3,706,060 3,766 | | | | |
| | 718,596 198,825 | 3,766,299 3,826 | | | | |
| 1,718,597 1,7 | 778,796 204,850 | 3,826,538 3,886 | ,777 415,725 | | | |
| 1,778,797 1,8 | 339,000 210,875 | 3,886,778 3,947 | ,017 421,750 | | | |
| 1,839,001 1,8 | 399,207 216,900 | 3,947,018 4,007 | ,257 427,775 | | | |
| 1,899,208 1,9 | 959,416 222,925 | 4,007,258 4,067 | ,498 433,800 | | | |
| 1,959,417 2,0 | 019,627 228,950 | 4,067,499 4,127 | ,739 439,825 | | | |
| | 079,841 234,975 | 4,127,740 4,187 | ,980 445,850 | | | |
| | | | | | | |

For Expected Losses greater than \$5,753,875, the Ballast Value can be calculated using the following formula (rounded to the nearest 1):

 $Ballast = (0.10)(Expected\ Losses)\ +\ 2500(Expected\ Losses)(12.05)\ /\ (Expected\ Losses\ +\ (700)(12.05))$

G = 12.05

Hazard Group Differentials

 A
 B
 C
 D
 E
 F
 G

 1.27
 1.00
 0.91
 0.76
 0.63
 0.53
 0.43

2. <u>2013 Table of Expected Loss Ranges</u> Effective January 1, 2013

Excess Loss Pure Premium Factors 3. (Applicable to New and Renewal Policies)

| Per Accident | | | н | lazard Group | s | | |
|-------------------|-------|-------|-------|--------------|-------|-------|-------|
| <u>Limitation</u> | Α | В | C | D D | Ĕ | F | G |
| \$10,000 | 0.670 | 0.705 | 0.719 | 0.743 | 0.762 | 0.780 | 0.791 |
| \$15,000 | 0.626 | 0.666 | 0.683 | 0.711 | 0.734 | 0.755 | 0.770 |
| \$20,000 | 0.589 | 0.634 | 0.652 | 0.683 | 0.709 | 0.732 | 0.751 |
| \$25,000 | 0.558 | 0.606 | 0.625 | 0.658 | 0.686 | 0.712 | 0.733 |
| \$30,000 | 0.530 | 0.580 | 0.601 | 0.635 | 0.666 | 0.693 | 0.717 |
| \$35,000 | 0.506 | 0.558 | 0.580 | 0.615 | 0.648 | 0.676 | 0.702 |
| \$40,000 | 0.485 | 0.537 | 0.560 | 0.597 | 0.631 | 0.660 | 0.688 |
| \$50,000 | 0.448 | 0.502 | 0.526 | 0.564 | 0.600 | 0.632 | 0.663 |
| \$75,000 | 0.379 | 0.435 | 0.460 | 0.500 | 0.540 | 0.574 | 0.612 |
| \$100,000 | 0.332 | 0.387 | 0.413 | 0.452 | 0.494 | 0.529 | 0.571 |
| \$125,000 | 0.297 | 0.350 | 0.377 | 0.415 | 0.458 | 0.493 | 0.538 |
| \$150,000 | 0.269 | 0.322 | 0.348 | 0.385 | 0.428 | 0.463 | 0.511 |
| \$175,000 | 0.247 | 0.298 | 0.324 | 0.361 | 0.404 | 0.437 | 0.487 |
| \$200,000 | 0.229 | 0.278 | 0.305 | 0.340 | 0.383 | 0.416 | 0.466 |
| \$225,000 | 0.213 | 0.262 | 0.288 | 0.322 | 0.364 | 0.397 | 0.448 |
| \$250,000 | 0.200 | 0.247 | 0.273 | 0.306 | 0.348 | 0.380 | 0.432 |
| \$275,000 | 0.188 | 0.234 | 0.260 | 0.292 | 0.334 | 0.365 | 0.418 |
| \$300,000 | 0.178 | 0.223 | 0.249 | 0.280 | 0.321 | 0.351 | 0.405 |
| \$325,000 | 0.169 | 0.213 | 0.238 | 0.269 | 0.310 | 0.339 | 0.393 |
| \$350,000 | 0.161 | 0.204 | 0.229 | 0.259 | 0.300 | 0.328 | 0.382 |
| \$375,000 | 0.154 | 0.196 | 0.221 | 0.249 | 0.290 | 0.318 | 0.372 |
| \$400,000 | 0.147 | 0.189 | 0.213 | 0.241 | 0.281 | 0.309 | 0.363 |
| \$425,000 | 0.141 | 0.182 | 0.206 | 0.233 | 0.273 | 0.300 | 0.354 |
| \$450,000 | 0.135 | 0.175 | 0.199 | 0.226 | 0.266 | 0.292 | 0.346 |
| \$475,000 | 0.130 | 0.170 | 0.193 | 0.220 | 0.259 | 0.285 | 0.339 |
| \$500,000 | 0.126 | 0.164 | 0.188 | 0.214 | 0.252 | 0.278 | 0.332 |
| \$600,000 | 0.110 | 0.146 | 0.169 | 0.193 | 0.230 | 0.254 | 0.308 |
| \$700,000 | 0.097 | 0.132 | 0.154 | 0.176 | 0.213 | 0.235 | 0.288 |
| \$800,000 | 0.088 | 0.120 | 0.141 | 0.163 | 0.198 | 0.219 | 0.272 |
| \$900,000 | 0.080 | 0.111 | 0.131 | 0.151 | 0.186 | 0.206 | 0.258 |
| \$1,000,000 | 0.073 | 0.102 | 0.122 | 0.142 | 0.175 | 0.195 | 0.246 |
| \$2,000,000 | 0.039 | 0.059 | 0.074 | 0.088 | 0.114 | 0.130 | 0.175 |
| \$3,000,000 | 0.026 | 0.041 | 0.053 | 0.064 | 0.086 | 0.098 | 0.138 |
| \$4,000,000 | 0.019 | 0.031 | 0.041 | 0.050 | 0.068 | 0.079 | 0.114 |
| \$5,000,000 | 0.014 | 0.025 | 0.033 | 0.040 | 0.056 | 0.066 | 0.097 |
| \$6,000,000 | 0.011 | 0.020 | 0.027 | 0.033 | 0.047 | 0.056 | 0.083 |
| \$7,000,000 | 0.009 | 0.017 | 0.023 | 0.028 | 0.041 | 0.048 | 0.073 |
| \$8,000,000 | 0.008 | 0.014 | 0.019 | 0.024 | 0.035 | 0.042 | 0.064 |
| \$9,000,000 | 0.007 | 0.012 | 0.017 | 0.021 | 0.031 | 0.037 | 0.057 |
| \$10,000,000 | 0.006 | 0.011 | 0.015 | 0.019 | 0.027 | 0.033 | 0.051 |

Excess Loss and Allocated Expense Pure Premium Factors

(Applicable to New and Renewal Policies)

| Per Accident | | | Н | lazard Group | s | | |
|--------------|-------|-------|-------|--------------|-------|-------|-------|
| Limitation | Α | В | С | D | E | F | G |
| \$10,000 | 0.746 | 0.783 | 0.798 | 0.823 | 0.843 | 0.861 | 0.873 |
| \$15,000 | 0.700 | 0.743 | 0.760 | 0.789 | 0.813 | 0.835 | 0.851 |
| \$20,000 | 0.661 | 0.708 | 0.728 | 0.760 | 0.787 | 0.812 | 0.831 |
| \$25,000 | 0.628 | 0.678 | 0.699 | 0.734 | 0.764 | 0.791 | 0.812 |
| \$30,000 | 0.599 | 0.652 | 0.673 | 0.710 | 0.742 | 0.771 | 0.795 |
| \$35,000 | 0.573 | 0.628 | 0.650 | 0.688 | 0.723 | 0.753 | 0.780 |
| \$40,000 | 0.549 | 0.606 | 0.629 | 0.669 | 0.704 | 0.736 | 0.765 |
| \$50,000 | 0.510 | 0.568 | 0.593 | 0.634 | 0.672 | 0.706 | 0.738 |
| \$75,000 | 0.436 | 0.496 | 0.522 | 0.565 | 0.607 | 0.644 | 0.683 |
| \$100,000 | 0.384 | 0.444 | 0.471 | 0.513 | 0.558 | 0.595 | 0.640 |
| \$125,000 | 0.346 | 0.404 | 0.432 | 0.473 | 0.519 | 0.557 | 0.604 |
| \$150,000 | 0.316 | 0.372 | 0.401 | 0.441 | 0.487 | 0.524 | 0.574 |
| \$175,000 | 0.291 | 0.347 | 0.375 | 0.414 | 0.460 | 0.497 | 0.549 |
| \$200,000 | 0.271 | 0.325 | 0.353 | 0.391 | 0.437 | 0.473 | 0.526 |
| \$225,000 | 0.254 | 0.306 | 0.334 | 0.371 | 0.417 | 0.453 | 0.507 |
| \$250,000 | 0.239 | 0.290 | 0.318 | 0.354 | 0.400 | 0.434 | 0.489 |
| \$275,000 | 0.226 | 0.276 | 0.304 | 0.339 | 0.384 | 0.418 | 0.473 |
| \$300,000 | 0.214 | 0.264 | 0.291 | 0.325 | 0.370 | 0.403 | 0.459 |
| \$325,000 | 0.204 | 0.252 | 0.279 | 0.313 | 0.357 | 0.390 | 0.446 |
| \$350,000 | 0.195 | 0.242 | 0.269 | 0.302 | 0.346 | 0.378 | 0.434 |
| \$375,000 | 0.186 | 0.233 | 0.260 | 0.292 | 0.335 | 0.367 | 0.423 |
| \$400,000 | 0.179 | 0.225 | 0.251 | 0.282 | 0.326 | 0.356 | 0.413 |
| \$425,000 | 0.172 | 0.217 | 0.243 | 0.274 | 0.317 | 0.347 | 0.404 |
| \$450,000 | 0.165 | 0.210 | 0.236 | 0.266 | 0.308 | 0.338 | 0.395 |
| \$475,000 | 0.159 | 0.203 | 0.229 | 0.258 | 0.301 | 0.330 | 0.387 |
| \$500,000 | 0.154 | 0.197 | 0.222 | 0.251 | 0.293 | 0.322 | 0.379 |
| \$600,000 | 0.135 | 0.176 | 0.200 | 0.228 | 0.269 | 0.295 | 0.352 |
| \$700,000 | 0.121 | 0.159 | 0.183 | 0.209 | 0.249 | 0.274 | 0.331 |
| \$800,000 | 0.109 | 0.146 | 0.169 | 0.193 | 0.232 | 0.256 | 0.312 |
| \$900,000 | 0.100 | 0.135 | 0.157 | 0.180 | 0.218 | 0.241 | 0.297 |
| \$1,000,000 | 0.091 | 0.125 | 0.147 | 0.169 | 0.206 | 0.228 | 0.283 |
| \$2,000,000 | 0.050 | 0.073 | 0.089 | 0.106 | 0.135 | 0.153 | 0.202 |
| \$3,000,000 | 0.033 | 0.051 | 0.064 | 0.077 | 0.101 | 0.116 | 0.159 |
| \$4,000,000 | 0.024 | 0.039 | 0.049 | 0.060 | 0.081 | 0.094 | 0.132 |
| \$5,000,000 | 0.019 | 0.031 | 0.040 | 0.048 | 0.066 | 0.078 | 0.112 |
| \$6,000,000 | 0.015 | 0.025 | 0.033 | 0.040 | 0.056 | 0.066 | 0.097 |
| \$7,000,000 | 0.012 | 0.021 | 0.028 | 0.034 | 0.048 | 0.057 | 0.085 |
| \$8,000,000 | 0.010 | 0.018 | 0.024 | 0.029 | 0.042 | 0.050 | 0.075 |
| \$9,000,000 | 0.009 | 0.015 | 0.020 | 0.026 | 0.037 | 0.044 | 0.067 |
| \$10,000,000 | 0.007 | 0.013 | 0.018 | 0.022 | 0.032 | 0.039 | 0.060 |

Retrospective Pure Premium Development Factors

4.

| With Loss Limit | | | Without Loss Limit | | | |
|-----------------|-------------|-------------|--------------------|-------------|-------------|-------------------|
| 1st | 2nd | 3rd | 1st | 2nd | 3rd | 4th & Subsequent |
| <u>Adj.</u> | <u>Adj.</u> | <u>Adj.</u> | <u>Adj.</u> | <u>Adj.</u> | <u>Adj.</u> | <u>Adjustment</u> |
| 0.08 | 0.05 | 0.04 | 0.34 | 0.21 | 0.16 | 0.00 |

EXHIBIT 3-A RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 1—GENERAL EXPLANATION B. DEFINITIONS

1. General Definitions

(Applies in: AL, AZ, CO, CT, DC, GA, HI, IA, ID, IL, IN, KS, KY, LA, MD, ME, MN, MO, MS, MT, NC, NH, NM, NV, OK, RI, SC, SD, TN, UT, VT, WI, WV)

d. Large Risk Alternative Rating Option (LRARO)

The Large Risk Alternative Rating Option is a flexible retrospective rating plan that is mutually agreed to by the insured and carrier. It is an available option for insureds with an estimated annual standard premium of at least \$500,000 individually or in any combination with any commercial casualty insurance line and/or workers compensation and employers liability insurance.

Refer to Rule 2-E of this manual for state-specific premium eligibility thresholds.

EXHIBIT 3-B RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 1—GENERAL EXPLANATION B. DEFINITIONS

1. General Definitions

(Applies in: AL, AZ, CO, CT, DC, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

d. Large Risk Alternative Rating Option (LRARO)

The Large Risk Alternative Rating Option is a flexible retrospective rating plan that is mutually agreed to by the employer and carrier. It is an available option for policies that meet or exceed a specific premium eligibility threshold.

Refer to Rule 2-E for the state-specific premium eligibility thresholds.

EXHIBIT 4-A RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 1—GENERAL EXPLANATION B. DEFINITIONS

(Applies in: AK, AL, AR, AZ, CO, CT, DC, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NE, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

2. Elements of the Retrospective Rating Plan Formula

The following formula includes all of the elective elements available under a retrospective rating plan. See Rule 3 of this manual f For other variations of the retrospective rating formula, refer to Rule 3.

Retrospective Rating Premium = (Basic Premium + Excess Loss Premium + Retrospective Rating Development Premium + Converted Losses) x Tax Multiplier.

EXHIBIT 4-B RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 1—GENERAL EXPLANATION B. DEFINITIONS

2. Elements of the Retrospective Rating Plan Formula (Applies in: AK, AL, AR, AZ, CO, CT, DC, GA, HI, IA, ID, IL, IN, KS, KY, LA, MD, ME, MN, MO, MS, MT, NC, NE, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

e. Excess Loss Premium (ELP)

Excess loss premium (ELP) is a charge for election of a loss limitation. The excess loss premium factor It is applied after the basic premium in the retrospective rating plan formula. The ELP calculation is:

(Excess Loss Premium ELP = Excess Loss Factor x Standard Premium x Loss Conversion Factor)

1. Excess Loss Factors

Excess loss factors are used in the calculation of excess loss premium. Excess loss factors are also known as excess loss premium factors.

2. Excess Loss Factor Determination

a. In <u>rate</u> states, <u>where NCCI files full rates</u>, <u>NCCI files</u> the excess loss factors. <u>NCCI also files</u> <u>excess loss and allocated expense factors which include a provision for allocated loss adjustment expenses.</u>

Refer to the State Retrospective Rating Value pages for the Excess Loss Pure Premium Factors. Refer to the latest approved state loss cost filing for the LAE% and Loss Assessment%.

In loss cost states, NCCI files excess loss pure premium factors. Where applicable, NCCI also files excess loss and allocated expense pure premium factors which include a provision for allocated loss adjustment expenses. The excess loss pure premium factors and excess loss and allocated expense pure premium factors must be converted to excess loss factors or excess loss and allocated expense factors using the carrier's expense provisions applicable in each state.

Refer to the State Special Rating Values pages for the excess loss factors or excess loss pure premium factors.

b. The conversion formula <u>for converting an excess loss pure premium factor to an excess loss factor</u> is:

Excess Loss Premium Factor = [(Excess Loss Pure Premium Factor x Expected Loss Ratio) x (1 + Loss Adjustment Expense % + Loss Assessment %)]

The formula for converting an excess loss and allocated expense pure premium factor to an excess loss and allocated expense factor is:

Excess Loss and Allocated Expense Factor = (Excess Loss and Allocated Expense Pure Premium Factor x Expected Loss Ratio) x (1 + Loss Adjustment Expense % + Loss Assessment %)

The Excess Loss Pure Premium Factor, LAE %, and Loss Assessment % are NGCI-provided

The carrier determines the Expected Loss Ratio (ELR). ELR is a ratio of pure losses (no LAE) to premium.

EXHIBIT 4-B (CONT'D) RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 1—GENERAL EXPLANATION B. DEFINITIONS

2. Elements of the Retrospective Rating Plan Formula (Applies in: AK, AL, AR, AZ, CO, CT, DC, GA, HI, IA, ID, IL, IN, KS, KY, LA, MD, ME, MN, MO, MS, MT, NC, NE, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

Refer to the latest approved state loss cost filing for the Loss Adjustment Expense (LAE) % and Loss Assessment %.

Refer to the State Special Rating Values pages for the Excess Loss Factors or Excess Loss Pure Premium Factors.

c. The Table of Classification by Hazard Group is used to determine the excess loss factor. This factor is determined based on the selected loss limitation and the hazard group assignment shown in the Table for the classification producing the largest amount of estimated workers compensation standard premium for each state included in the plan. Refer to the Basic Manual for the Table of Classification by Hazard Group.

For <u>insureds employers</u> having USL&HW <u>coverage</u> for non-F-classification codes, the applicable hazard group to use for the determination of an excess loss factor (ELF) is the state classification code hazard group, located in NGCI's Basic Manual, increased <u>by</u> two levels. When the state classification hazard group is already at the highest level hazard group, use that highest level hazard group. *Refer to User's Guide for examples.*

For the classification codes that include federal coverages (or F-classification codes), use the hazard group assigned to that code.

| State Classification Hazard Group | USL&HW Hazard Groups for Non-F-Classification Codes Hazard Groups |
|-----------------------------------|---|
| A | С |
| В | D |
| С | E |
| D | F |
| E | G |
| F | G |
| G | G |

Refer to the User's Guide for more information about excess loss factors.

EXHIBIT 4-C RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 1—GENERAL EXPLANATION B. DEFINITIONS

2. Elements of the Retrospective Rating Plan Formula (Applies in: AK, AL, AR, AZ, CO, CT, DC, GA, HI, IA, ID, IL, IN, KS, KY, MA, MD, ME, MS, MT, NC, NE, NH, NM, NV, OK, RI, SC, SD, TN, UT, VA, VT, WI, WV)

f. Retrospective Development Premium (RDP)

Retrospective development premium (RDP) is an elective element that varies by state. The RDP It stabilizes premium adjustments for an employer insured written under a retrospective rating plan by anticipating future increases changes in loss costs or rates losses. The RDP calculation is calculated using the following formula:

Retrospective Development Premium RDP = Standard Premium x Retrospective Development Premium Factor x Loss Conversion Factor.

1. Retrospective Development Factor

The retrospective development premium factor anticipates a pattern of increasing valuation of losses after the policy is expired. The retrospective development premium factor is included in the first three calculations of the retrospective premium.

2. Retrospective Development Factor Determination

a. NCCI files the retrospective development factors in In states where NCCI files full rates, NCCI files the retrospective development factors. Refer to the State Special Rating Values pages of this manual for the retrospective development premium factors.

In loss cost states, NCCI files retrospective development pure premium development factors. The retrospective development pure premium development factors must be converted to retrospective development premium factors using the carrier's expense provisions applicable in each state.

Refer to the State Special Rating Values pages of this manual for the retrospective development factors or retrospective development pure premium development factors.

b. The conversion formula <u>for converting a retrospective pure premium development factor to a retrospective development factor is:</u>

Retrospective Development Premium Factor = Retrospective Pure Premium Development Factor x Expected Loss Ratio x (1 + Loss Adjustment Expense % + Loss Assessment %)

The Retrospective Pure Premium Development Factor, LAE %, and Loss Assessment % are NGCI provided values. Refer to the State Retrospective Rating Values pages for the Retrospective Pure Premium Development Factors. Refer to the latest approved loss cost filing for the LAE % and Loss Assessment %.

The carrier determines the Expected Loss Ratio (ELR). ELR is a ratio of pure losses (no LAE) to premium.

Refer to the latest approved state loss cost filing for the Loss Adjustment Expense (LAE) % and Loss Assessment %.

Refer to User's Guide for examples.

EXHIBIT 5-A RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 2—ELIGIBILITY FOR THE PLAN

(Applies in: AL, CO, DC, GA, HI, IA, ID, IL, IN, KS, KY, LA, MD, ME, MS, MT, NC, NM, NV, RI, SC, SD, UT, VT, WI, WV)

E. LARGE RISK ALTERNATIVE RATING OPTION (LRARO)

The Large Risk Alternative Rating Option provides the carrier and insured the option of negotiating the retrospective rating factors used to calculate premium. An insured is eligible for the LRARO if the estimated standard premium individually or in any combination with any other commercial casualty lines of insurance exceeds an annual standard premium eligibility threshold of \$500,000 for the term of a retrospective rating plan.

The following table lists states with different annual standard premium eligibility thresholds for LRARO.

LRARO Premium Eligibility Threshold by State

| State | Annual Standard Premium Eligibility Threshold |
|----------------|--|
| Arizona | \$250,000 |
| Kansas | \$1,000,000 |
| Minnesota | \$ 250,000 |
| Nevada | \$ 250,000 |
| New Hampshire | \$ 250,000 |
| North Carolina | \$ 250,000 |
| Oregon | See state rule exception |

A different premium eligibility level may be used if filed by an individual carrier, subject to regulatory approval.

EXHIBIT 5-B RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 2—ELIGIBILITY FOR THE PLAN

(Applies in: AL, AZ, CO, CT, DC, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

E. LARGE RISK ALTERNATIVE RATING OPTION (LRARO)

The Large Risk Alternative Rating Option (LRARO) provides the carrier and employer the option of negotiating, and mutually agreeing on, the retrospective rating plan premium.

The following table lists the different LRARO premium eligibility thresholds and other requirements by state:

LRARO Table by State

| State | Premium Eligibility Threshold | Premium Eligibility Threshold Basis | <u>Other</u> |
|---|---|--|---|
| AL, CO, DC, GA, HI, IA, ID, IL, IN, KY, LA, MD, ME, MS, MT, NM, RI, SC, SD, UT, VT, WV | Estimated annual standard premium exceeds \$500,000 | Workers compensation standard premium only or in any combination with any other commercial casualty lines of insurance for the term of the plan. | |
| <u>AZ</u> | Estimated annual standard premium exceeds \$250,000 | Workers compensation standard premium only or in any combination with general liability, hospital professional liability, commercial automobile, crime, glass, or workers compensation for the term of the plan. | A carrier is not required to offer LRARO under certain conditions. For more information, refer to the Arizona State Rule Exception 2-E. Carriers may not file a different standard premium eligibility threshold in Arizona for LRARO. The maximum premium factor under the plan may not be less than 100%, and the minimum premium factor not less than 25%. |
| <u>CT</u> | Estimated annual standard premium exceeds \$100,000 | Workers compensation standard premium only, or, if written on a multiple-lines basis, the workers compensation portion of the standard premium must exceed \$100,000. | |

EXHIBIT 5-B (CONT'D) RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 2—ELIGIBILITY FOR THE PLAN

(Applies in: AL, AZ, CO, CT, DC, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

LRARO Table by State (Cont'd)

| | Premium Eligibility | Premium Eligibility | |
|-----------|--|---|---|
| State | Threshold | Threshold Basis | <u>Other</u> |
| FL | Estimated annual countrywide standard premium of \$750,000 or more for workers compensation, of which \$100,000 or more must be estimated annual standard premium in Florida | Workers compensation standard premium only. | The employer must have exposure in more than one state. Refer to Rule 1-B-1-d for carrier eligibility requirements. Refer to Rule 3-G for additional information. Refer to Rule 4-A for applicable endorsements. |
| <u>KS</u> | Estimated annual standard premium exceeds \$1,000,000 | Workers compensation standard premium only or in any combination with any other commercial casualty lines of insurance for the term of the plan. | |
| MA | Estimated annual standard premium (excluding ARAP surcharge) exceeds \$500,000 | Workers compensation standard premium only for the term of the plan. | |
| MN | Annual written premium of \$250,000 or more generated from Minnesota and other states before the application of any large deductible rating plans | Workers compensation premium only. | The carrier must file a certification in the form specified in Minnesota §79.56, subd. 1(b) for each impacted policy with the Minnesota Department of Commerce verifying compliance with the statute. |
| MO | Estimated annual standard premium exceeds \$500,000 | Workers compensation standard premium only, or, if written on a multiple-lines basis, the workers compensation portion of the standard premium must exceed \$100,000. | |
| <u>NC</u> | Estimated annual standard premium exceeds \$250,000 | Workers compensation standard premium only or in any combination with any other commercial casualty lines of insurance for the term of the plan. | |

EXHIBIT 5-B (CONT'D) RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 2—ELIGIBILITY FOR THE PLAN

(Applies in: AL, AZ, CO, CT, DC, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

LRARO Table by State (Cont'd)

| | Premium Eligibility | Premium Eligibility | I |
|-----------|--|---|--|
| State | Threshold | Threshold Basis | Other |
| NH | Estimated annual standard premium exceeds \$250,000 | Workers compensation standard premium only, or, if written on a multiple-lines basis, the workers compensation portion of the standard premium must be at least \$250,000. | |
| NV | Estimated annual standard premium exceeds \$250,000 | Workers compensation standard premium only. | The maximum premium factor under the plan may not be less than 100%. |
| ОК | Estimated annual standard premium exceeds \$250,000 | Any one of the following single lines of insurance: general liability, hospital professional liability, commercial automobile, crime, glass, or workers compensation. | Lower premium eligibility levels may not be selected. |
| | Estimated annual standard premium exceeds \$500,000 | Multiple lines basis. | |
| <u>OR</u> | Carrier-estimated annual standard premium exceeds \$500,000 | Workers compensation standard premium only. | |
| | Carrier-estimated annual standard premium exceeds \$750,000 | Multiple lines in any combination with general liability, hospital professional liability, commercial automobile, crime, glass, or workers compensation, provided the workers compensation portion of standard premium exceeds \$500,000. | |
| <u>TN</u> | Estimated annual standard premium exceeds \$250,000 Estimated annual standard premium exceeds \$500,000 | Workers compensation standard premium only. Multiple lines in any combination with general liability, hospital professional liability, commercial automobile, crime, glass, or workers compensation. | |

EXHIBIT 5-B (CONT'D) RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 2—ELIGIBILITY FOR THE PLAN

(Applies in: AL, AZ, CO, CT, DC, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NH, NM, NV, OK, OR, RI, SC, SD, TN, TX, UT, VA, VT, WI, WV)

LRARO Table by State (Cont'd)

| | Premium Eligibility | Premium Eligibility | |
|-----------|---|---|--|
| State | Threshold | Threshold Basis | <u>Other</u> |
| TX | Estimated standard premium exceeds \$350,000 for an interstate retrospective rating policy, where combination of states is applicable under one policy, and an estimated standard premium of at least \$100,000 for an intrastate retrospective rating policy | Workers compensation standard premium only or in combination with any other commercial casualty lines of insurance. | The maximum retrospective premium may not be less than 100% or greater than 500% of standard premium. The minimum retrospective premium may not exceed the guaranteed cost (standard premium after premium discount) that would apply to the insured if the insured were not subject to retrospective rating. |
| <u>VA</u> | Refer to § 38.2-1903 retrospective rating p | | exemption applicable to large risk |
| WI | Estimated annual standard premium exceeds \$250,000 Estimated annual standard premium exceeds \$500,000 | Workers compensation standard premium only. Multiple lines in any combination with general liability, hospital professional liability, commercial automobile, crime, glass, or workers compensation. | For employers with an estimated annual standard premium less than \$1,000,000, individually or in any combination with other lines of coverage, the maximum premium under this plan must not be less than 100% of standard premium. |

Refer to **User's Guide** for applicable endorsements.

EXHIBIT 6 RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION RULE 3—OPERATION OF PLAN

(Applies in: AK, AL, AR, AZ, CO, CT, DC, FL, GA, HI, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MN, MO, MS, MT, NC, NE, NH, NM, NV, OK, OR, RI, SC, SD, TN, UT, VA, VT, WI, WV)

C. THE RETROSPECTIVE RATING PREMIUM WITHOUT ELECTIVE PREMIUM ELEMENTS

The premium for an <u>employer insured</u> subject to a retrospective rating plan is determined by the following retrospective rating premium formula.

Retrospective Rating Premium = [Basic Premium + Converted Losses] x Tax Multiplier

The retrospective rating premium will not be less than the minimum retrospective rating premium or more than the maximum retrospective rating premium selected for a retrospective rating plan.

If the <u>insured employer</u> for which a retrospective rating plan is applied includes more than one legal entity, a single retrospective rating premium is calculated on the basis of the combined entities.

Note: Insureds Employers with an estimated annual standard premium of a specified premium eligibility threshold requirement and basis, individually or in any combination with commercial casualty lines of insurance, may be rated under the Large Risk Alternative Rating Option. That This option provides that such insureds employers may be retrospectively rated as mutually agreed upon by the insured employer and carrier. Refer to Rule 2-E for state-specific average annual standard for premium eligibility thresholds.

Refer to User's Guide for examples.

A different premium eligibility level may be used if filed by an individual carrier, subject to regulatory approval.

EXHIBIT 8 RETROSPECTIVE RATING PLAN MANUAL—2009 EDITION NORTH CAROLINA STATE RULE EXCEPTIONS RULE 4—ADMINISTRATION OF THE PLAN

B. REPORTS OF PREMIUMS AND LOSSES UNDER THE PLAN

The standard premium and losses incurred under a retrospective rating plan policy must be reported in accordance with the *North Carolina Statistical Plan Manual* and NCCl's *Financial Call Reporting Guidebook*.

For Financial Call reporting instructions on any additional or return premium under the retrospective rating program, *refer to NCCI's Financial Call Reporting Guidebook*.