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January 15, 2003

ALL ASSOCIATION MEMBERS

Circular Letter 03-1397

RE: 2002 Terrorism Risk Insurance Act – Rate Filing and Unit Reporting

Background

In late November, 2002, the US Congress passed and the President signed into law, the Terrorism Risk Insurance Act of 2002. The Act establishes a mandatory Federal program to provide property & casualty insurance coverage for losses resulting from certain acts of foreign-sponsored terrorism through 2005. The Act also establishes a series of annually increasing deductibles or retention layers. Subject to various conditions established by the Act, the Federal program will cover up to 90% of insured losses resulting from certified terrorist events, that exceed each applicable annual deductible amount. Impacted insurers must then bear the remaining 10% of the losses in excess of this deductible.

Loss Cost Filing

MWCIA's pure premium base rates contained in the most recent Ratemaking Report do not reflect any analysis for terrorism exposure or the impact of this Act. Specifically, the MWCIA's filing does not contemplate the Federal program, its deductible levels, or the 10% liability, which the Act imposes on impacted insurers.

The National Council on Compensation Insurance (NCCI) has contracted with a leading catastrophe-modeling firm, EQECAT, to model and analyze 14 "high-risk" jurisdictions' to assess the workers' compensation exposures to potential terrorist events. Attached are several sections of NCCI's Item B-1383 filing memorandum, including details on the modeling approach and its results. These include copyrighted material of the National Council on Compensation Insurance, Inc. (all rights reserved) and are reprinted with permission of the NCCI.

The model suggests that a reasonable estimate for Minnesota's workers' compensation terrorist exposure is \$0.02 per \$100 of payroll. The MWCIA has filed and the Minnesota Commerce Department has approved this advisory loss cost effective January 13, 2003. This filing is premised on the assumption that premium amounts generated by applying this rate to payroll will not be subject to experience rating, retrospective rating, deductible credits, schedule rating, MCPAP, the Special Compensation Fund surcharge, premium discount, or any other individual risk rating plan. Carriers may still apply their filed lost cost multipliers to produce ultimate rates.

Under the Act this rate is approved for use by Minnesota workers' compensation carriers on all existing, new and renewal policies as of the effective date. The Minnesota Commerce Department has determined that any carrier electing to use this rate need not make any revised rate filing directly with the Commerce Department and that the MWCIA's filing constitutes compliance with that carrier's rate filing obligations of Minnesota law. Carriers may elect to develop and use their own rate for this exposure. If so, the carrier must comply with the filing requirements of Minnesota law, subject to the limitations imposed by the Act.

This filing does not address actions that may be taken by the Workers' Compensation Reinsurance Association (WCRA) in response to the Act. Those matters will be addressed directly by the WCRA.

Unit Reporting

The Minnesota Statistical Plan would be amended as in the following respect. For Unit data reporting, the premium generated under the Act will be recorded under statistical code 9740, and posted on lines J, K, or L. On electronic submissions, the premium should not be included as part of Subject Premium or Standard Premium (Record Type 06). Premium generated from this coverage is excluded from financial call reporting.

All affected manuals will be revised and filed at a later date.

Please direct any questions you may have concerning this item to the Actuarial Services Department at 952-897-1737 or by e-mailing our office at <u>info@mwcia.org</u>.

FILING MEMORANDUM

ITEM B-1383—CATASTROPHE PROVISION—CERTIFIED TERRORISM LOSSES (AS DEFINED IN TERRORISM RISK INSURANCE ACT OF 2002)

PURPOSE

The purpose of this item is to propose catastrophe provisions by state that address certified terrorism losses as defined in the Terrorism Risk Insurance Act of 2002.

BACKGROUND

The treatment of catastrophes in workers compensation ratemaking has changed over the years. Prior to the 1970s, NCCI included a 1-cent catastrophe provision in every rate, which amounted to about a 1% provision. This provision was eventually removed from ratemaking. Since that time, several catastrophes affecting workers compensation have occurred. Generally, the impacts of those events have been excluded from ratemaking with no explicit method being employed to build them back in over time.

The September 11 attack was the largest workers compensation catastrophe in history. The estimated workers compensation losses are between \$1 billion and \$3 billion, with a large majority of costs coming from claims filed in a state with relatively modest death benefits. Prior to September 11, terrorism had not been considered a likely workers compensation catastrophe. The few terrorist events that did occur had a minimal impact on workers compensation. As a result, terrorism exposure has not been contemplated in current workers compensation ratemaking techniques. While workers compensation primary insurers have been dealing with this new exposure that by statute cannot be excluded from primary insurance coverage, many reinsurers are electing not to provide terrorism coverage, resulting in availability issues. This leaves many primary insurers facing the terrorism exposure with no current provision for funding it within NCCI's filed loss costs or rates.

Terrorism Risk Insurance Act of 2002

The U.S. Congress has recognized that terrorism is a catastrophe exposure that is real and significant for insurers of workers compensation and other lines of insurance. While all of the provisions and features of the Act cannot be summarized in this document, it is important to review the intent and key objectives of the Act in order to provide context for determining how its provisions can be best implemented. To quote directly from the Act:

The purpose of this title is to establish a temporary Federal program that provides for a transparent system of shared public and private compensation for insured losses resulting from acts of terrorism, in order to —

- Protect consumers by addressing market disruptions and ensure the continued widespread availability and affordability of property and casualty insurance for terrorism risk; and
- Allow for a transitional period for the private markets to stabilize, resume pricing of such insurance, and build capacity to absorb any future losses, while preserving State insurance regulation and consumer protections.

It is the intent of this filing to address these key objectives of the Act.

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• Terrorism Modeling

Since there is a lack of historical data to support terrorism loss estimates, the traditional methods for evaluating and estimating risk are not suitable to assess possible terrorism exposures, predict losses and identify adequate rates. Estimating future losses from terrorist attacks requires a new blend of science and engineering capabilities. Potential threats must first be identified; then, using advanced statistical catastrophe modeling techniques, the risk can be assessed and ultimately quantified for use in determining reasonable loss cost estimates.

In NCCI's view, assessing the financial implications of catastrophes is one of the most urgent issues facing the industry. Therefore, early this year, NCCI contracted with a leading natural catastrophe modeling firm—EQECAT—to adapt existing modeling techniques to assess the impact of terrorism threats to workers compensation insurance.

Compared to modeling for natural disasters, terrorism modeling is in its infancy. Many of the techniques and data analyses used for modeling of natural disasters can be transferred to terrorism modeling. However, the frequency of terrorism events does not have the same detailed history as is available for natural disasters. Moreover, with terrorism, we are dealing with intentional loss instead of the non-intentional nature of natural disaster. These factors make the estimation of frequency much more problematic for terrorism. The EQECAT terrorism model concentrates on severity, with frequency being normalized to one terrorism event per year.

A detailed description of the EQECAT terrorism model can be found under Appendix A.

Modeled and Non-Modeled States

Analyses are performed state by state and have been completed for 13 states and Washington D.C., covering all high-risk areas, large population states, and about 75% of nationwide employment. Since all states were not modeled, some of the modeled states were used as proxies for the non-modeled states based on relative frequency of terrorist attacks from EQECAT and benefit and wage differences. The table of proxy states is shown below:

Modeled State	Proxied State			
Arizona	Colorado, Idaho, Louisiana, Montana, Nevada, Oregon, Rhode Island, Utah			
Florida	North Carolina			
Illinois	Maryland, Virginia			
lowa	Alabama, Alaska, Arkansas, Connecticut, Hawaii, Kansas, Kentucky, Maine, Mississippi, Missouri, Nebraska, New Hampshire, New Mexico, Oklahoma, South Carolina, South Dakota, Tennessee, Vermont			

NCCI Average Costs by Casualty Category

NCCI provided EQECAT with average pure loss costs per case by state for each of the four injury groups: • Fatal

- Permanent Total/Major Permanent Partial
- Minor Permanent Partial/Temporary Total
- o Medical Only

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For NCCI states, Indiana, and North Carolina, average claims costs were based on recent filings of NCCI Excess Loss Factors (ELFs). These reflect ultimate undiscounted pure losses for cases incurred at the current time (approximately 2001–2003). Independent rating bureaus in the states of Delaware, Massachusetts, Minnesota, New Jersey, and Pennsylvania provided NCCI with average claim costs on the same basis.

For New York and California, NCCI utilized various pieces of data (historical claim costs, development factors, benefit level changes, trends, etc.) from the independent bureaus in these states to make estimates on the same basis. For other states modeled, EQECAT made proxy assumptions for average claim costs.

• Frequency Assumption

The indicated loss costs per employee for modeled states are based on the modeling approach described above assuming a frequency of one terrorist event per year as the default. The results are scalable, based on a different frequency assumption. A range of one to five terrorism events per year countrywide was used based on input from EQECAT.

Indicated Loss Costs by State

The modeling exercise produces a range of loss costs per employee for the modeled states (see Exhibit 1). The loss costs exclude loss adjustment expense. Two adjustments are necessary to convert this information to a loss cost per \$100 of payroll. First, an adjustment is made to recognize the impact of the Terrorism Risk Insurance Act. This adjustment recognizes that individual company exposure is limited and that the Act addresses foreign terrorism only. Depending on the state, NCCI's analysis has led to an indicated adjustment factor of .50 to .85 for this component. The analysis is based on the provisions of the Act that allow for a recovery of 90% of the insurer's losses above an individual company retention, limited by an annual cap on terrorism losses for all covered lines of insurance of \$100 billion. For modeled states, NCCI looked at individual state expected loss distributions for terrorism and assessed the impact of the Act on a variety of attachment point and aggregate combinations. States whose aggregate expected losses are higher will expect a larger reduction in gross loss due to the Act. Additionally, if a state has a domestic workers compensation carrier with an extremely large market share, it may receive extra benefit from the Act, since the average retention is lower than it would be for another state.

The second adjustment uses the state average weekly wage to adjust the loss costs from a per-employee basis to a per-\$100 of payroll basis.

Finally, the loss costs (excluding LAE) for non-modeled states are based on the final loss costs (excluding LAE) for modeled states, based on a list of proxy states (see Exhibit 2). Loss-based expenses are included to produce final loss costs including LAE.

Voluntary and Assigned Risk Rates by State

Exhibit 3 shows the final voluntary and assigned risk rates by state. Where applicable, the loss costs by state have been divided by the permissible loss ratio (PLR) in order to load in expenses, including loss adjustment expense.

• Estimated Impact by State

Exhibit 4 shows the estimated impact of the proposed terrorism provisions by state on both a percentage and a dollar amount basis.

Carrier Use of Loss Cost Information

Exhibit 9 introduces a new statistical reporting code to handle data reporting. Exhibit 13 shows revised premium algorithms by state to illustrate how this item is to be used in the calculation of premium.

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PROPOSAL

It is proposed that the catastrophe provisions and accompanying rules and forms be applied in all states included in this filing.

IMPACT

The estimated impact in each state is shown in Exhibit 4.

IMPLEMENTATION

The attached exhibits include the proposed changes necessary to implement this item. In all states **except** Colorado, Hawaii, and Virginia, the loss costs, rates, rules and forms will be implemented:

- Effective 12:01 a.m. on December 20, 2002, applicable to new and renewal voluntary policies only
- Effective 12:01 a.m. on January 1, 2003, applicable to new and renewal assigned risk policies only

In Colorado the loss costs, rules and forms will be implemented effective 12:01 a.m. on December 20, 2002, applicable to new and renewal voluntary policies only. However, for carriers that have explicitly built a Terrorism provision into their Loss Cost Multipliers (LCMs), this item will not become effective until January 20, 2003. This will give those carriers 30 days to file adjusted LCMs, which would appropriately account for the Terrorism loads filed by NCC1.

In Hawaii, effective date is determined upon the individual carrier's election to adopt this change.

In Virginia, the loss costs, rates, rules and forms will be implemented:

- Effective for voluntary policies effective on or after 12:01 a.m. on December 20, 2002
- Effective for assigned risk policies effective on or after 12:01 a.m. on January 1, 2003

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Appendix A

Description of EQECAT Terrorism Model

Introduction

The EQECAT model developed for NCCI provides an estimate of the risk to workers compensation insurers due to potential terrorist events. The types of terrorist events selected were those that could cause large numbers of injuries and casualties, and therefore, catastrophic loss to insurers.

EQECAT assembled data on the insurers' exposure and subjected that exposure to a large number of simulated terrorist events. The resulting casualties and consequent losses were combined (probabilistically) to estimate risk to the insurers. The following sections describe the various parts of the model and how the analysis was performed.

Model Description

The model has four primary elements: workers compensation exposure; weapon types and their effects modeling; the selection of targets; the relative frequencies assigned to the weapon footprints at each target. A brief description of each element follows.

Exposure

The location, number and types of employees are needed to characterize the exposure to terrorist events. Business information databases were used to obtain the addresses of businesses and the estimated number of employees assigned to each location. With more than 100 million workers nationwide at over 10 million businesses, it was necessary to aggregate the exposure. For this model the exposure was aggregated to the census block level (typically a city block). This aggregation level was suitable for terrorist events that span hundreds of meters.

The workers in each census block were grouped into five NCCI industry groupings: Goods & Services, Office & Clerical, Manufacturing, Construction, and All Others. Certain government classifications not covered by workers compensation were excluded.

Weapons Selection

Specific weapons were selected from the range of known or hypothesized terrorist weapons. The selection process considered weapons that have been previously employed, weapons that could cause large numbers of casualties, or weapons that would be more readily available. In some cases a "likely" or "practical" weapons size (or quantity of agent) was selected; in other cases, a range of weapons sizes was selected, in part, to reflect standard quantities that might be available. The selected weapons and their sizes are described below.

Blast/Explosion

- Conventional Explosives—400 lb / 4,000 lb / 12,000 lb TNT
- Nuclear Bomb—1 kiloton and 10 kiloton
- Aircraft Impact—large passenger airline

Chemical

- Chlorine—15 ton truck, 90 ton railcar
- Anhydrous Ammonia—15 ton truck, 90 ton railcar
- Hydrogen Cyanide—50 gallons
- Sarin—1 gallon
- Mustard Gas—50 gallons

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Biological

- Anthrax—1 oz inside building, 1 oz outside building, 10 oz mobile dispersion
- Botulism—1 oz inside building

Radiological

- Nuclear Power Plant Radioactive Release Due to Sabotage—10% of core radioactivity
- Dirty Bomb—10,000 curies

Other

Dam Failure—complete failure with full reservoir

Casualty Footprints

Footprint is a term used to describe the physical distribution of the intensity of the agent as it spreads out from its initial target. The effects of each type of weapon will vary with the size of the weapon, with atmospheric conditions, and in some cases with local terrain. If detailed knowledge is available, a correspondingly detailed simulation of the effects is possible but would be time consuming to perform. In a large-scale nationwide analysis with millions of simulated events, where local atmospheric conditions and terrain are only generally known, a simpler, more generalized simulation is necessary. The simplifications necessary to efficiently model footprints of weapons effects are described below.

For conventional blast loading, blast simulation software is used to estimate casualties in various urban settings where the geometry and height of the buildings is varied. The results of these detailed simulations are used to develop simplified blast attenuation functions that vary with distance and with the general terrain. For conventional blast, the footprint is defined as a decreasing function of distance from the source of the blast.

The casualties for nuclear blast can be estimated on the basis of empirical data resulting from wartime and nuclear test experience. Casualties are assumed to be a function of distance from ground zero with the source located either at ground level or at a relatively low altitude. A simplified, conservative casualty footprint was created to encompass the range of conditions that could exist. Long-term radiation effects are not considered.

The casualty effects for aircraft impact are dependent very much upon the details of the event, so much so that only a simple, conservative footprint can be employed. A simplifying assumption is made that the extent of the footprint is a function of the height of the building.

For chemical, biological and radiological agent releases, a plume is formed that is influenced by atmospheric conditions and by the terrain. The footprint of the cumulative dose that is deposited by a plume over time was calculated using the simulation software MIDAS-AT (Meteorological Information and Dispersion Assessment System—Anti-TerrorismTM). Terrain conditions were assumed to be "rough" to conservatively approximate a general urban terrain and the wind direction was assumed to be unchanging. The plume footprint was calculated for low, medium and high wind speeds and for three different atmospheric turbulence conditions. Any of the footprints could then be oriented in each of eight compass directions. Most of the footprints were truncated after an elapsed time of about two hours to account for successful evacuation.

Casualties due to dam failure are approximated using simple hydraulic relationships and assumptions made about the terrain over which the water will flow. The resulting footprint varies as depth of water (and casualty) decreases with distance away from the dam.

• Targets

A target is the location of a terrorist attack and, in the model, represents the locus of a casualty footprint. An inventory of targets is created by selecting locations with the following characteristics:

- Tall Buildings-10 stories and higher
- Government Buildings—with large number of employees or of a critical or sensitive nature (e.g., FBL office)

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- Airports—Major
- Ports—Major
- Military Bases—U.S. armed forces
- Prominent Locations—capitol buildings, major amusement parks, etc.
- Nuclear Power Plants—operational
- Railroads, Railroad Yards and Stations—freight lines for railroad cars carrying chemicals
- Dams—large ones near urban areas
- Chemical Facilities—emphasizes those with chlorine and ammonia on site

Nuclear Power Plants, dams and chemical facilities receive only specific casualty footprints. Other locations are assigned more than one type of terrorist weapon.

Some footprints have no specific target but are distributed at regular intervals throughout the urban area. This spreads out the effect to a larger population in the urban area.

Mobile release anthrax is not located at any target but located in the general downtown area in major metropolitan areas.

• Frequency of Attack

The relative likelihood of a type of attack occurring at a target location is represented by an assigned (annual) frequency. The significance of an attack's frequency is in its relationship to other attacks. Attack frequency is based on the following considerations:

- Availability of weapon
- Attractiveness of target
- Relative attractiveness of the region to other regions based on various theories

For footprints that are atmospheric releases of chemical, biological and radiological agents, wind direction affects the assigned frequency. The frequency for each wind direction is weighted by the likelihood of the wind blowing in that direction based on historical wind speed and direction measurements for the region.

• Analysis of Model by State

The analysis methodology is to apply a casualty footprint to an assigned target and to calculate the extent of casualties to the covered workers within the footprint. For chemical, biological and radiological footprints, the dose to each employee is calculated and a conversion is made to the degree of casualty (outpatient treatment, minor/temporary disability, major/permanent disability, and death). Degree of casualty is then converted to loss based upon the average costs by injury category provided by NCCI. The average costs provided vary by state.

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EXHIBIT 1

Terrorism Loss Costs for States Modeled by EQECAT

<u>State</u> (1)	Loss Cost per Employee (excluding LAE) Lower Range* (2)	Loss Cost per Employee (excluding LAE) <u>Upper Range*</u> (3)	Estimated Impact of Terrorism Risk Insurance Act** (4)	State Average Weekly <u>Wage***</u> (5)	Loss Cost per \$100 of payroll (exc. LAE) <u>Lower Range</u> (6) = (2)x(4)/((5)x52/100)	Loss Cost per \$100 of payroll (exc. LAE) <u>Upper Range</u> (7) = (3)x(4)/((5)x52/100)
Arizona	2.33	11.63	70%	620.72	0.005	0.025
DC	168.25	841.24	50%	722.64	0.224	1,119
Florida	2.33	11.66	70%	579,54	0.005	0.027
Georgia	2.49	12.43	70%	628,79	0.005	0.027
Illinois	6.45	32.27	60%	647.75	0.011	0.057
Indiana	1.08	5.39	85%	595,11	0.003	0.015
lowa	1.71	8.54	85%	557.31	0.005	0.025
Michigan	1.26	6.32	70%	639.29	0.003	0.013
New Jersey	2.33	11.66	60%	722.51	0.004	0.019
New York	24.76	123.80	50%	657.79	0.036	0.181
Ohio	2.39	11.93	N/A	N/A	N/A	N/A
Pennsylvania	6.40	32.01	60%	608.13	0.012	0.061
Texas	8.54	42.68	50%	600.28	0.012	0.068

* Source: Loss cost information developed by EQECAT for terrorism events

** This adjustment reflects the impact of the federal backstop relative to foreign terrorism events

*** 2001 U.S. Bureau of Labor Statistics, Current Population Survey

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EXHIBIT 2

Terrorism Loss Costs Including LAE by State

<u>State</u>	Proxy State	Selected Loss Cost (exc. LAE)	Loss-Based Expense <u>Factor</u>	Selected Loss Cost <u>(inc. LAE)</u>
Alabama	lowa	0.02	1.176	0.02
Alaska	lowa	0.02	1.162	0.02
Arizona	Arizona	0.02	1.153	0.02
Arkansas	Iowa	0.02	1.172	0.02
Colorado	Arizona	0.02	1.145	0.02
Connecticut	lowa	0.02	1.157	0.02
DC	DC	0.06	1.149	0.07
Florida	Florida	0.02	1.190	0.02
Georgia	Georgia	0.02	1.000	0.02
Hawaii	lowa	0.02	1.184	0.02
Idaho	Arizona	0.02	1.185	0.02
Illinois	Illinois	0.03	1.170	0.04
Indiana	Indiana	0.01	1.135	0.01
lowa	lowa	0.02	1.141	0.02
Kansas	lowa	0.02	1.186	0.02
Kentucky	lowa	0.02	1.000	0.02
Louisiana	Arizona	0.02	1.071	0.02
Maine	lowa	0.02	1.152	0.02
Maryland	Illinois	0.03	1.000	0.03
Mississippi	lowa	0.02	1.196	0.02
Missouri	lowa	0.02	1.168	0.02
Montana	Arizona	0.02	1.137	0.02
Nebraska	lowa	0.02	1.143	0.02
Nevada	Arizona	0.02	1.172	0.02
New Hampshire	lowa	0.02	1.161	0.02
New Mexico	lowa	0.02	1.143	0.02
North Carolina	Florida	0.02	1.155	0.02
Oklahoma	lowa	0.02	1.185	0.02
Oregon	Arizona	0.02	1.000	0.02
Rhode Island	Arizona	0.02	1.176	0.02
South Carolina	lowa	0.02	1.190	0.02
South Dakota	lowa	0.02	1.000	0.02
Tennessee	lowa	0.02	1.170	0.02
Utah	Arizona	0.02	1.158	0.02
Vermont	lowa	0.02	1.142	0.02
Virginia	Illinois	0.03	1.164	0.03

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EXHIBIT 3

Terrorism Voluntary and Assigned Risk Rates by State

	Selected Voluntary		Selected		Selected
	Loss Cost	Voluntary	Voluntary	Assigned	Assigned
State	(exc, LAE)	PLR	Rate	Risk PLR	Risk Rate
(1)	(2)	(3)	(4)=(2)/(3)	(5)	(6)=(2)/(5)
()	(-)	(-)		(9)	(0)-(1)
Alabama	0.02	N/A	N/A	0.6872	0.03
Alaska	0.02	N/A	N/A	0.5690	0.04
Arizona	0.02	0.6683	0.03	0.6683	0.03
Arkansas	0.02	N/A	N/A	0.5822	0.03
Colorado	0.02	N/A	N/A	N/A	N/A
Connecticut	0.02	N/A	N/A	0.5689	0.04
DC	0.06	N/A	N/A	0.5720	0.10
Florida	0.02	0.6066	0.03	N/A	N/A
Georgia	0.02	N/A	N/A	0.5900	0.03
Hawaii	0.02	N/A	N/A	N/A	N/A
Idaho	0.02	0.6008	0.03	N/A	N/A
Illinois	0.03	0.6128	0.05	0.6190	0.05
Indiana	0.01	0.6555	0.02	0.6555	0.02
lowa	0.02	0.6507	0.03	0.6507	0.03
Kansas	0.02	N/A	N/A	0.6288	0.03
Kentucky	0.02	N/A	N/A	N/A	N/A
Louisiana	0.02	N/A	N/A	N/A	N/A
Maine	0.02	N/A	N/A	N/A	N/A
Maryland	0.03	N/A	N/A	N/A	N/A
Mississippi	0.02	N/A	N/A	0.7031	0.03
Missouri	0.02	N/A	N/A	N/A	N/A
Montana	0.02	N/A	N/A	N/A	N/A
Nebraska	0.02	N/A	N/A	N/A	N/A
Nevada	0.02	N/A	N/A	0.6720	0.03
New Hampshire	0.02	N/A	N/A	0.7055	0.03
New Mexico	0.02	N/A	N/A	0.5906	0.03
North Carolina	0.02	N/A	N/A	0.6905	0.03
Oklahoma	0.02	N/A	N/A	N/A	N/A
Oregon	0.02	N/A	N/A	0.6100	0.03
Rhode Island	0.02	0.6229	0.03	N/A	N/A
South Carolina	0.02	N/A	N/A	0.6120	0.03
South Dakota	0.02	N/A	N/A	0.6268	0.03
Tennessee	0.02	N/A	N/A	0.5028	0.04
Utah	0.02	N/A	N/A	N/A	N/A
Vermont	0.02	N/A	N/A	0.6903	0.03
Virginia	0.03	N/A	N/A	0.7061	0.04
-					

ITEM B-1383—CATASTROPHE PROVISION—CERTIFIED TERRORISM LOSSES (AS DEFINED IN TERRORISM RISK INSURANCE ACT OF 2002)

EXHIBIT 4

Estimated Impact of Terrorism Provisions by State

	Selected	Avg. Non-	Percentage	CY 2001	Estimated
	Terrorism	Terrorism	Impact of	WC Written	Premium
e	Loss Cost	Loss Cost	Terrorism	Premium	Impact
State	(exc.) LAE	(exc.) LAE	Loss Cost	<u>(\$ 000)</u>	<u>(\$ 000)</u>
(1)	(2)	(3)	(4)=(2)/(3)	(5)	(6)=(4)x(5)
Alabama	0.02	2.30	0.9%	340,725	2,963
Alaska	0.02	2.40	0.8%	156,621	1,305
Arizona	0.02	1.00	2.0%	459,071	9,181
Arkansas	0.02	1.31	1.5%	204,944	3,129
Colorado	0.02	1.63	1.2%	866,714	10,635
Connecticut	0.02	1.30	1.5%	531,820	8,182
DC	0.06	0.48	12.5%	116,383	14,548
Florida	0.02	2.45	0.8%	2,754,296	22,484
Georgia	0.02	1.36	1.5%	897,799	13,203
Hawaii	0.02	2.03	1.0%	217,931	2,147
Idaho	0.02	1.58	1.3%	210,826	2,669
Illinois	0.03	1.59	1.9%	1,871,759	35,316
Indiana	0.01	1.03	1.0%	677,528	6,578
lowa	0.02	1.33	1.5%	368,914	5,548
Kansas	0.02	1.14	1.8%	295,312	5,181
Kentucky	0.02	1.85	1,1%	372,578	4,028
Louisiana	0.02	2.41	0.8%	530,776	4,405
Maine	0.02	2.05	1.0%	206,276	2,012
Maryland	0.03	1.09	2.8%	554,741	15,268
Mississippi	0.02	1.76	1.1%	221,813	2,521
Missouri	0.02	1.52	1.3%	564,885	7,433
Montana	0.02	3.10	0.6%	151,999	981
Nebraska	0.02	1.44	1.4%	229,234	3.184
Nevada	0.02	2.88	0.7%	373.649	2,595
New Hampshire	0.02	1.59	1.3%	221.923	2,000
New Mexico	0.02	1.25	1.6%	131,341	2,101
North Carolina	0.02	1.52	1.3%	878,158	11,555
Oklahoma	0.02	1.94	1.0%	477,564	4,923
Oregon	0.02	1.81	1.1%	515,048	5,691
Rhode Island	0.02	1.83	1.1%	161.668	1,767
South Carolina	0.02	1.06	1.9%	390,366	7,365
South Dakota	0.02	1.40	1.4%	94.639	1,352
Tennessee	0.02	1.80	1.1%	659,558	7,328
Utah	0.02	1.12	1.8%	221,658	3,958
Vermont	0.02	1.62	1.2%	118,936	3,958 1,468
Virginia	0.03	0.87	3.4%	654,402	22,566
	•		0.170		جد,000
Total			1.5%	17,701,855	258,361

ITEM B-1383—CATASTROPHE PROVISION—CERTIFIED TERRORISM LOSSES (AS DEFINED IN TERRORISM RISK INSURANCE ACT OF 2002)

EXHIBIT 5-A

BASIC MANUAL

APPLICABLE TO VOLUNTARY POLICIES

MISCELLANEOUS VALUES

	Voluntary	Voluntary
State	Loss Cost	Rate
Alabama	0.02	N/A
Alaska	0.02	N/A
Arizona	N/A	0.03
Arkansas	0.02	0.05 N/A
Colorado	0.02	N/A
Connecticut	0.02	N/A
DC	0.07	N/A
Florida	N/A	0.03
Georgia	0.02	N/A
Hawaii	0.02	N/A
Idaho	N/A	0.03
Illinois	0.04	0.05
Indiana	0.01	0.02
lowa	N/A	0.02
Kansas	0.02	N/A
Kentucky	0.02	N/A
Louisiana	0.02	N/A
Maine	0.02	N/A
Maryland	0.03	N/A
Mississippi	0.02	N/A
Missouri	0.02	N/A
Montana	0.02	N/A
Nebraska	0.02	N/A
Nevada	0.02	N/A
New Hampshire	0.02	N/A
New Mexico	0.02	N/A
North Carolina	0.02	N/A
Oklahoma	0.02	N/A
Oregon	0.02	N/A
Rhode Island	0.02	0.03
South Carolina	0.02	N/A
South Dakota	0.02	N/A
Tennessee	0.02	N/A
Utah	0.02	N/A
Vermont	0.02	N/A
Virginia	0.03	N/A
	v.vv	19/2

ITEM B-1383—CATASTROPHE PROVISION—CERTIFIED TERRORISM LOSSES (AS DEFINED IN TERRORISM RISK INSURANCE ACT OF 2002)

EXHIBIT 5-B

BASIC MANUAL

APPLICABLE TO ASSIGNED RISK POLICIES

MISCELLANEOUS VALUES

State	Assigned Risk Rate
Alabama	0.03
Alaska	0.04
Arizona	0.03
Arkansas	0.03
Connecticut	0.04
DC	0.10
Georgia	0.03
Illinois	0.05
Indiana	0.02
lowa	0.03
Kansas	0.03
Mississippi	0.03
Nevada	0.03
New Hampshire	0.03
New Mexico	0.03
North Carolina	0.03
Oregon	0.03
South Carolina	0.03
South Dakota	0.03
Tennessee	0.04
Vermont	0.03
Virginia	0.04

EXHIBIT 6-A

BASIC MANUAL

RULES

RULE 3—RATING DEFINITIONS AND APPLICATION OF PREMIUM ELEMENTS

A. EXPLANATION AND APPLICATION

11. Expense Constant

- a. The expense constant is:
 - Not subject to premium discount, experience rating modification, or-retrospective rating adjustment, or additional charge for the Terrorism Risk Insurance Act of 2002
 - Included in the minimum premium for each classification and must not be added to the minimum premium if the minimum premium becomes the final premium for the policy
 - Shown on the Information Page of the policy. For details, refer to User's Guide D-2-g(6).

Refer to User's Guide for an example.

20. Standard Premium

Standard Premium is the premium before the application of the premium discount.

It is the state premium determined on the basis of:

- Authorized rates
- Disease loadings
- Nonratable elements
- Aircraft seat surcharges
- Premium for increased limits of liability
- Experience rating modification
- Applicable schedule rating modification
- Minimum premiums

Total Standard Premium is the total premium for all states covered by the policy excluding expense constant, additional charge for the Terrorism Risk Insurance Act of 2002, and any disease charge subject to the Federal Coal Mine Health and Safety Act before the application of the premium discount.

Refer to state pages concerning the application of the above rating elements, or any state special rating elements.

Note: The Annual Financial Calls for experience, which are used for ratemaking, contain a different definition of standard premium.

24. Terrorism Risk Insurance Act of 2002

Premium for the Terrorism Risk Insurance Act of 2002.Is calculated on the basis of total payroll according to Rule 2. A risk's total payroll in each state is divided by units of \$100 and multiplied by the Terrorism Rate found in the state pages. The calculation is expressed as (Payroll/100 X Terrorism Rate = Premium). This premium is applied after standard premium and is not subject to any other modifications including, but not limited to, premium discount, experience rating, schedule rating, or retrospective rating,

Unless an "If Any" policy develops premium during the policy term or at audit, policies issued on an "If Any" basis will not be charged a terrorism rate.

Per capita charges are not subject to premium under this Act.

C. DOMESTIC WORKERS—RESIDENCES

Advisory Loss Costs, Rates and Premium

 Terrorism Risk Insurance Act
 Premium for the Terrorism Risk Insurance Act of 2002 does not apply to per capita classifications.

EXHIBIT 6-B

BASIC MANUAL

STATE SPECIAL RATING PLANS AND PROGRAMS

Terrorism Risk Insurance Act of 2002

Premium for the Terrorism Risk Insurance Act of 2002 is calculated on the basis of total payroll according to Rule V. A risk s total payroll in each state is divided by units of \$100 and multiplied by the Terrorism Rate found in the state pages. The calculation is expressed as (Payroll/100 X Terrorism Rate = Premium). This premium is applied after standard premium and is not subject to any other modifications including, but not irrited to; premium discount; experience rating, schedule rating, or retrospective rating.

Premium developed under this act is not included in standard premium. Expense constant and per-capita charges are not subject to premium under this Act.

EXHIBIT 6-C

BASIC MANUAL

RULES

RULE 3—RATING DEFINITIONS AND APPLICATION OF PREMIUM ELEMENTS

A. EXPLANATION AND APPLICATION

20. Standard Premium

Standard Premium is the premium before the application of the premium discount.

It is the state premium determined on the basis of:

- Authorized rates
- Disease loadings
- Nonratable elements
- Aircraft seat surcharges
- Premium for increased limits of liability
- Experience rating modification
- Applicable schedule rating modification
- Minimum premiums

Total Standard Premium is the total premium for all states covered by the policy excluding expense constant, additional charge for the Terrorism Risk Insurance Act of 2002, and any disease charge subject to the Federal Coal Mine Health and Safety Act before the application of the premium discount.

Refer to state pages concerning the application of the above rating elements, or any state special rating elements.

Note: The Annual Financial Calls for experience, which are used for ratemaking, contain a different definition of standard premium.

24. Terrorism Risk Insurance Act of 2002

Premium for the Terrorism Risk insurance Act of 2002 is calculated on the basis of total payroll according to Rule 2. A risk's total payroll in each state is divided by units of \$100 and multiplied by the Terrorism Rate found in the state pages. The calculation is expressed as (Payrol/100 X Terrorism Rate = Premium). This premium is applied after standard premium and is not subject to any other modifications including, but not limited to, premium discount, experience rating, schedule rating, or retrospective rating,

Unless an "If Any" policy develops premium during the policy term or at audit, policies issued on an "If Any" basis will not be charged a terrorism rate.

Per capita charges are not subject to premium under this Act.

C. DOMESTIC WORKERS-RESIDENCES

5. Advisory Loss Costs, Rates and Premium d. Terrorism Risk Insurance Act

Premium for the Terrorism Risk Insurance Act of 2002 does not apply to per capita classifications.

EXHIBIT 7

RETROSPECTIVE RATING PLAN MANUAL

PART ONE

II. DEFINITIONS

E. Standard Premium

For the purpose of this Plan, standard premium means the premium for the risk determined on the basis of authorized rates, any experience rating modification, loss constants where applicable, and minimum premiums. Determination of standard premium shall exclude:

- 1. Premium Discount.
- 2. The Expense Constant.
- 3. Premium resulting from the Non-Ratable Element Codes listed in the Experience Rating Plan Manual.
- Premium developed by the passenger seat surcharge under Code 7421—Aircraft Operation—flying crew.
- 5. Premium developed by the occupational disease rates for risks subject to the Federal Coal Mine Health and Safety Act.

6. Premium developed by the Terrorism Risk Insurance Act of 2002.

ITEM B-1383—CATASTROPHE PROVISION—CERTIFIED TERRORISM LOSSES (AS DEFINED IN TERRORISM RISK INSURANCE ACT OF 2002)

EXHIBIT 9-A

URE WORKERS COMPENSATION STATISTICAL PLAN

PART 3

14. STATISTICAL CODES—PREMIUM AMOUNT *NOT* SUBJECT TO EXPERIENCE MODIFICATION FACTOR

Report the premium credit or debit amount not subject to experience modification. These premiums should be reported separately from class code exposures and premiums under the designated class code or statistical code. These premiums are generated from the following premium programs or coverages:

- Aircraft Operation--Passenger Seat Surcharge (refer to Item 6.b. in this section for further instructions)
- Alternate Preferred Plan
- Assigned Risk Adjustment Program (ARAP)
- Assigned Risk Flat Charge
- Assigned Risk Surcharge
- Assigned Risk Tabular Surcharge
- Atomic Energy
- Claims Deductible Coverage
- Contracting/Construction Class Code Program—Premium Debit Offset to Experience Rating
- Contracting/Construction Premium Adjustment Program
- Deductible Reporting
- Disease Experience—Coal Mining Risks
- Disease Experience—Supplemental
- Drug-Free Workplace
- Employee Leasing Rating Adjustment
- Expense Constant
- Group Supplemental Rating Plan
- Increased Limits for Admiralty and/or FELA Coverage—Balance to Minimum Premium
- Independent Carrier Filing
- Injury Management Program
- Large Deductible Coverage
- Loss Constant
- Managed Care
- Merit Rating Debits
- Merit Rating Program
- Minimum Premium (Balance to)
- Nonratable Portion of Class Code Rate
- Nonrated Premium Credit
- Premium Discount: Stock Company/Nonstock
- Premium Transition Program
- Pulpwood Transition Program—Credit/Debit
- Rate Deviation Premium Adjustment
- Rehiring Employees With Permanent Partial Disabilities
- Risk Management Premium Credit Program
- Safety Certification Premium Credit

- Schedule Rating Program
- Small Employer Loss Free Credit Program
- Small New Employer Credit
- Supplemental Disease Experience—in Connection with Asbestos Exposure
- Supplemental Experience Rating Plan Credit Premium Adjustments
- Terrorism Risk Insurance Act of 2002—Certified Losses
- Transition Program
- Waiver of Subrogation

PART 7

8. Statistical Codes-Premium Amount Not Subject to Experience Modification Factor

Description	Stat	Premium Credit	Applicable States	Effective	Discontinuation
	Code	(-) or Debit (+)	(1)	Date	Date
Terrorism Risk Insurance Act of 2002—Certified Losses	9740	•	All States		

15. CAUSE OF INJURY CODES

Code	Narrative Description
Χ.	Miscellaneous Causes
96	Terrorism (for use with an assigned Catastrophe Code only)

B-1383

EXHIBIT 10

STATISTICAL REPORTING INSTRUCTIONS

General

Premium debit generated under the Terrorism Risk Insurance Act of 2002 - Certified Losses is recorded under Statistical Code 9740.

Policies

For new and renewal policies not yet issued as of the effective date of this filing:

- On hard copy submissions:
 - Issue the policy showing endorsement number WC 00 04 20 under Item 3D on the policy information page or attach the actual endorsement document to the policy. The premium is reported under statistical code 9740 under Item 4 of the policy Information Page. This premium is applied in an additive manner, after experience modification, premium discount and expense constant.
- On electronic submissions:
 - Issue the policy with endorsement WC 00 04 20 reported on the Endorsement Identification 0 Record (Record Type 07). The premium is submitted on an Exposure Record (Record Type 05) under statistical code 9740. This premium is not included in the Total Estimated State Standard Premium (Record Type 04) and the Policy Total Estimated Standard Premium (Record Type 01).

For new and renewal policies already issued, but falling within the effective date of this filing:

- On hard copy submissions:
 - Issue a revised policy showing endorsement number WC 00 04 20 under Item 3D on the policy o information page or attach the actual endorsement document to the policy. The premium is reported under statistical code 9740 under Item 4 of the policy Information Page. This premium is applied in an additive manner, after experience modification, premium discount and expense constant.

OR

Issue endorsement WC 00 04 20, Terrorism Risk Insurance Act Endorsement Form. Also, attach o an endorsement for each state schedule indicating statistical code 9740 with the applicable total standard payroll, rate, premium, and state.

OR

Issue endorsement WC 00 04 20, Terrorism Risk Insurance Act Endorsement Form and o complete the applicable information on the bottom portion of the form.

ITEM B-1383—CATASTROPHE PROVISION—CERTIFIED TERRORISM LOSSES (AS DEFINED IN TERRORISM RISK INSURANCE ACT OF 2002)

On electronic submissions:

Issue a Full Policy Replacement Transaction (Transaction Codes 08-15) with endorsement WC 00 04 20 reported on the Endorsement Identification Record (Record Type 07). The premium is submitted on an Exposure Record (Record Type 05) under statistical code 9740. This premium is not included in the Total Estimated State Standard Premium (Record Type 04) and the Policy Total Estimated Standard Premium (Record Type 01).

Unit Reports

Reporting Premium: Premium debit earned under the Terrorism Risk Insurance Act of 2002 – Certified Losses is reported on a hard copy unit report subsequent to experience modification on the line after the expense constant. On electronic submissions, this premium is submitted on an Exposure (Record Type 04) as not part of the Subject Premium or Standard Premium totals (Record Type 06).

Reporting Losses: Similar to the reporting losses after the 9/11 event (catastrophe code 48), reporting instructions will be issued once an event occurs.

Financial Calls

Premium generated from this coverage is excluded from the standard financial calls. If needed, a financial call similar to the Cat 48 call will be developed for reporting premiums and losses.

Detailed Claim Information

Similar to the reporting losses after the 9/11 event (catastrophe code 48), reporting instructions will be issued once an event occurs.