# Capital Adequacy (E) Task Force RBC Proposal Form

<ul><li>☑ Capital Adequacy (E) Ta</li><li>☐ Catastrophe Risk (E) Su</li><li>☐ Variable Annuities Capit (E/A) Subgroup</li></ul>	bgroup   Investment RBC (E) Work	ing Group ☐ Longevity Risk (A/E) Subgroup
CONTACT PERSON: TELEPHONE: EMAIL ADDRESS: ON BEHALF OF: NAME: TITLE: AFFILIATION: ADDRESS:	Eva Yeung  816-783-8407  eyeung@naic.org  P/C RBC (E) Working Group  Tom Botsko  Chair  Ohio Department of Insurance  50 West Town Street, Suite 300  Columbus, OH 43215	FOR NAIC USE ONLY
Health RBC Blanks     Health RBC Instructions     Health RBC Formula     OTHER	☐ Property/Casualty RBC Formula	<ul><li>□ Life and Fraternal RBC Blanks</li><li>□ Life and Fraternal RBC Instructions</li><li>□ Life and Fraternal RBC Formula</li></ul>
This proposal adds a line in  ** This section must be co	Additional Staff Comm	ents:  Revised 2-2023

# Fixed Income Assets XR007 and XR008

The RBC requirement for fixed income assets is largely driven by the default risk on those assets. There are two major subcategories: Bonds and Miscellaneous. Bonds include items that meet the definition of a bond, regardless if the bond is long-term (reported on Schedule D-1), short-term (reported on Schedule DA), or a cash equivalent (reported on Schedule E-2). Miscellaneous fixed income assets include non-bond items reported on the cash equivalent and short-term schedules, derivatives, mortgage loans, collateral loans, and other items reported on Schedule BA: Other Long-Term Invested Assets.

#### Bonds (XR007)

The bond factors for investment grade bonds (NAIC Designation (1.A-2.C) are based on cash flow modeling. Each bond of a portfolio was annually tested for default (based on a "roll of the dice") where the default probability varies by NAIC Designation Category and that year's economic environment. The default probabilities were based on historical data intended to reflect a complete business cycle of favorable or unfavorable credit environments. The risk of default was measured over a five-year time horizon, based on the duration of assets held for health companies.

The factors for NAIC Designation Category 3.A to 6 recognize that these non-investment grade bonds are reported at the lower of amortized cost or fair value. These bond risk factors are based on the market value fluctuation for each of the NAIC Designation Category compared to the market value fluctuation of stocks during the 2008-2009 financial crisis.

While the life and property/casualty formulas have a separate calculation for the bond size factor (based on the number of issuers in the RBC filer's portfolio), the health formula does not include a separate calculation, instead a bond size component was incorporated into the bond factors. A representative portfolio of 382 issuers was used in calculating the bond risk factors.

There is no RBC requirement for bonds guaranteed by the full faith and credit of the United States, Other U.S. Government Obligations, and securities on the NAIC U.S. Government Money Market Fund List because it is assumed that there is no default risk associated with U.S. Government issued securities.

The book/adjusted carrying value of all bonds should be reported in Columns (1), (2) or (3). The bonds are split into twenty-one different risk classifications. These risk classifications are based on the NAIC Designation Category as defined and permitted in the *Purposes and Procedures Manual of the Investment Analysis Office*. The subtotal of Columns (1), (2), and (3) will be calculated in Column (4). The RBC requirement will be automatically calculated in Column (5).

#### Miscellaneous Fixed Income Assets (XR008)

The factor for cash is 0.3 percent. It is recognized that there is a small risk related to possible insolvency of the bank where cash deposits are held. This factor was based on the original unaffiliated NAIC 01 bond risk factor prior to the increased granularity of the NAIC Designation Categories in 2021 and reflects the short-term nature of this risk. The required risk-based capital for cash will not be less than zero, even if the company's cash position is negative.

The Short-Term Investments to be included in this section are those short-term investments not reflected elsewhere in the formula. The 0.3 percent factor is equal to the factor for cash. The amount reported in Line (8) reflects the total from Schedule DA: Short-Term Investments (Line (6)), less the short-term bonds (Line (7)). (The short-term bonds reported in Line (7) should equal Schedule DA, Part 1, Column 7, Line 2509999999.)

Mortgage loans (reported on Schedule B) and Derivatives (reported on Schedule DB) receive a factor of 5 percent, consistent with other risk-based capital formulas studied by the Working Group.

The following investment types are captured on Schedule BA: Other Long-Term Invested Assets. Specific factors have been established for certain Schedule BA assets based on the nature of the investment. Those Schedule BA assets not specifically identified below receive a 20 percent factor (Line (16) and Line (22)).

- Collateral Loans reported on Line (13) receive a factor of 5 percent, consistent with other risk-based capital formulas studied by the Working Group.
- Working Capital Finance Investments: The book adjusted carrying value of NAIC 01 and 02 Working Capital Finance Investments, Lines (14) and (15), should equal the Notes to Financial Statement, Lines 5M(01a) and 5M(01b), Column 3 of the annual statement.
- Low-income housing tax credit investment are reported on Column (1) in accordance with SSAP No. 93—Low Income Housing Tax Credit Property Investments.
  - Federal Guaranteed Low-Income Housing Tax Credit (LIHTC) investments are to be included in Line (17). There must be an all-inclusive guarantee from an ARO-rated entity that guarantees the yield on the investment.
  - o Federal Non-Guaranteed LIHTC investments with the following risk mitigation factors are to be included in Line (18):
    - a) A level of leverage below 50 percent. For a LIHTC Fund, the level of leverage is measured at the fund level.
    - b) There is a tax credit guarantee agreement from general partner or managing member. This agreement requires the general partner or managing member to reimburse investors for any shortfalls in tax credits due to errors of compliance, for the life of the partnership. For an LIHTC fund, a tax credit guarantee is required from the developers of the lower-tier LIHTC properties to the upper-tier partnership.
  - State Guaranteed LIHTC investments that at a minimum meet the federal requirements for guaranteed LIHTC investments are to be included in Line (19).
  - State Non-Guaranteed LIHTC investments that at a minimum meet the federal requirements for non-guaranteed LIHTC investments are to be included on Line (20).
  - All Other LIHTC investments, state and federal LIHTC investments that do not meet the requirements of Lines (17) through (20) would be reported on Line (21).



Detail Eliminated to Conserve



Schedule BA Assets (Other Invested Assets – excluding collateral loans, low income housing tax credits and Working Capital Finance Investments)

Other Invested Assets are those that are listed in Schedule BA and are somewhat more speculative and risky than most other investments. The factor for Schedule BA assets excluding collateral loans, low income housing tax credits, working capital finance investments, and residual tranches or interests is 20%.

The book/adjusted carrying value of total Schedule BA assets (including collateral loans, low income housing tax credits and Working Capital Finance Investments, and residual tranches or interests) should equal Page 2, Line 8, Column 3 of the annual statement.

#### Low Income Housing Tax Credits

Report Column (1) in accordance with SSAP No. 93—Low Income Housing Tax Credit Property Investments.

Federal Guaranteed low-income housing tax credit (LIHTC) investments are to be included in Line (13). There must be an all-inclusive guarantee from an ARO-rated entity that guarantees the yield on the investment.

Federal Non-guaranteed LIHTC investments with the following risk mitigation factors are to be included in Line (14):

- a) A level of leverage below 50 percent. For a LIHTC Fund, the level of leverage is measured at the fund level.
- b) There is a tax credit guarantee agreement from general partner or managing member. This agreement requires the general partner or managing member to reimburse investors for any shortfalls in tax credits due to errors of compliance, for the life of the partnership. For an LIHTC fund, a tax credit guarantee is required from the developers of the lower-tier LIHTC properties to the upper-tier partnership.

State LIHTC investments that at a minimum meet the federal requirements for guaranteed LIHTC investments are to be included in Line (15).

State LIHTC investments that at a minimum meet the federal requirements for non-guaranteed LIHTC investments are to be included in Line (16).

State and federal LIHTC investments that do not meet the requirements of lines (13) through (16) would be reported on Line (17).

# Working Capital Finance Investments

The book/adjusted carrying value of NAIC 01 and 02 Working Capital Finance Investments should equal Note to the Financial Statement, Lines 5M(01a) and 5M(01b), Column 3 of the annual statement.

# FIXED INCOME ASSETS - MISCELLANEOUS

			(1)		(2)
		Annual Statement Source	Bk/Adj Carrying Value	Factor	RBC Requirement
(1)	Cash	Page 2, Line 5, inside amount 1		0.0030	
(2)	Cash Equivalents	Page 2, Line 5, inside amount 2	·		_
(3)	Less: Cash Equivalents, Total Bonds	Schedule E, Part 2, Column 7, Line 2509999999			
(4)	Less: Exempt Money Market Mutual Funds as Identified by SVO	Schedule E, Part 2, Column 7, Line 8209999999			
(5)	Net Cash Equivalents	Lines (2) - (3) - (4)		0.0030	
(6)	Short-Term Investments	Page 2, Line 5, inside amount 3			
(7)	Short-Term Bonds	Schedule DA, Part 1, Column 7, Line 2509999999			
(8)	Total Other Short-Term Investments	Lines (6) - (7)		0.0030	
(9)	Mortgage Loans - First Liens	Page 2, Column 3, Line 3.1		0.0500	
(10)	Mortgage Loans - Other Than First Liens	Page 2, Column 3, Line 3.2		0.0500	
(11)	Receivable for Securities	Page 2, Column 3, Line 9		0.0240	
(12)	Aggregate Write-Ins for Invested Assets	Page 2, Column 3, Line 11		0.0500	
(13)	Collateral Loans	Included in Page 2, Column 3, Line 8		0.0500	
(14)	NAIC 01 Working Capital Finance Investments	Notes to Financial Statement 5M(01a), Column 3		0.0038	
(15)	NAIC 02 Working Capital Finance Investments	Notes to Financial Statement 5M(01b), Column 3		0.0125	
(16)	Other Long-Term Invested Assets Excluding Collateral Loans, Residual				
	Tranches or Interests and Working Capital Finance Investments	Included in Page 2, Column 3, Line 8		0.2000	
(17)	Federal Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, Column 12 Lines 3599999 + 3699999		0.0014	
(18)	Federal Non-Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, Column 12 Lines 3799999 + 3899999		0.0260	
(19)	State Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, Column 12 Lines 3999999 + 4099999		0.0014	
(20)	State Non-Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, Column 12 Lines 4199999 + 4299999		0.0260	
(21)	All Other Low Income Housing Tax Credits	Schedule BA Part 1, Column 12 Lines 4399999 + 4499999		0.1500	
(22)	Total Residual Tranches or Interests	Schedule BA, Part 1, Column 12 Lines 4699999 + 4799999 + 4899999 + 4999999 + 5099999 + 5199999 + 5299999 + 5399999 + 5499999 +		0.1500	
		5599999 + 5699999 + 5799999		0.2000	
(23)	Total Other Long-Term Invested Assets (Page 2, Column 3, Line 8)	Lines (13) + (14) + (15) + (16) + (17) + (18) + (19) + (20) + (21) + (22)			
(24)	Derivatives	Page 2, Column 3, Line 7		0.0500	
(25)	Total Miscellaneous Fixed Income Assets RBC	Lines (1) + (5) + (8) + (9) + (10) + (11) + (12) + (23) + (24)			

(1)

(2)

(3)

(4)

(5) (6)

(7)

(8)

(9) (10)

(11)

(12)(13)

(14)(15)

(16)(17)

(18)

(19)

(24)

(25)

(26)

(27)

(28)(29)

(31)

# CALCULATION OF TOTAL RISK-BASED CAPITAL AFTER COVARIANCE

			RBC Amount
H3 - CRE	EDIT RISK		
(32)	Total Reinsurance RBC	XR020, Credit Risk Page, Line (17)	
(33)	Intermediaries Credit Risk RBC	XR020, Credit Risk Page, Line (24)	
(34)	Total Other Receivables RBC	XR021, Credit Risk Page, Line (30)	
(35)	Total H3	Sum Lines (32) through (34)	
H4 - BUS	SINESS RISK		
(36)	Administrative Expense RBC	XR022, Business Risk Page, Line (7)	
(37)	Non-Underwritten and Limited Risk Business RBC	XR022, Business Risk Page, Line (11)	
(38)	Premiums Subject to Guaranty Fund Assessments	XR022, Business Risk Page, Line (12)	
(39)	Excessive Growth RBC	XR022, Business Risk Page, Line (19)	
(40)	Total H4	Sum Lines (36) through (39)	
(41)	RBC after Covariance Before Basic Operational Risk	$H0 + Square Root of (H1^2 + H2^2 + H3^2 + H4^2)$	
(42)	Basic Operational Risk	0.030 x Line (41)	
(43)	C-4a of U.S. Life Insurance Subsidiaries	Company Records	
(44)	Net Basic Operational Risk	Line (42) - (43) (not less than zero)	
(45)	RBC After Covariance Including Basic Operational Risk	Lines (41) + (44)	
(46)	Authorized Control Level RBC	.50 x Line (45)	

(1)

Denotes items that must be manually entered on filing software.

# OTHER LONG-TERM ASSETS PR008

			(1) Book/Adjusted		(2)
		Annual Statement Source	Carrying Value	Factor	RBC Requirement
(1)	Company Occupied Real Estate	P2 L4.1 C3	0	0.100	0
(2)	Encumbrances	P2 L4.1, inside item	0	0.100	0
(3)	Property Held For the Production of Income	P2 L4.2 C3	0	0.100	0
(4)	Property Held For Sale	P2 L4.3 C3	0	0.100	0
(5)	Encumbrances (Property Held For the Production of Income)	P2 L4.2, inside item	0	0.100	0
(6)	Encumbrances (Property Held For Sale)	P2 L4.3, inside item	0	0.100	0
(7)	Total Real Estate	L(1)+L(2)+L(3)+L(4)+L(5)+L(6)	0		0
(8)	Mortgage Loans - First Liens	P2 L3.1 C3	0	0.050	0
(9)	Mortgage Loans - Other Than First Liens	P2 L3.2 C3	0	0.050	0
(10)	Total Mortgage Loans	L(8) + L(9)	0		0
(11)	Schedule BA Assets - Total	P2 L8 C3	0		
(12)	Less: Collateral Loans	PR009 L(13)	0		
(13)	Federal Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, C12 L3599999			
		+L3699999	0	0.0014	0
(14)	Federal Non-Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, C12 L3799999			
		+L3899999	0	0.0260	0
(15)	State Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, C12 L3999999			
		+L4099999	0	0.0014	0
(16)	State Non-Guaranteed Low Income Housing Tax Credits	Schedule BA Part 1, C12 L4199999			
		+L4299999	0	0.0260	0
(17)	All Other Low Income Housing Tax Credits	Schedule BA Part 1, C12 L4399999			
		+L4499999	0	0.1500	0
(18)	Working Capital Finance Investments	L(21)+L(22)	0		
(19)	<b>Total Residual Tranches or Interests</b>	Schedule BA, Part 1, Column 12 Lines 4699999 + 4799999 + 4899999 + 4999999 + 5099999 +			
		5199999 + 52999999 + 53999999 + 54999999 +			
		5599999 + 5699999 + 5799999		0.2000	
(20)	Schedule BA Assets Excluding Collateral Loans, LIHTC, &-WCFI, &	L(11)-L(12)-L(13)-L(14)-L(15)			
( )	Residual Tranches or Interests	-L(16)-L(17)-L(18)-L(19)	0	0.2000	0
(21)	NAIC 01 Working Capital Finance Investments	Notes to Financial Statement Item L5M(01a) C3	0	0.0038	0
(22)	NAIC 02 Working Capital Finance Investments	Notes to Financial Statement Item L5M(01b) C3	0	0.0125	0
` /		L(7)+L(10)+L(13)+L(14)+L(15)			
(23)	Total Other Long-Term Assets	+L(16)+L(17)+L(19)+L(20)+L(21)+L(22)	0		0
	-	:			

L) UI	osidiary Insurance Companies and Misc. Other Amounts	PRBC O&I Reference	RBC Amoun
(1)	Directly Owned Property and Casualty Insurance Affiliates	PR004 L(2)C(2)	
(2)	Indirectly Owned Property and Casualty Insurance Affiliates	PR004 L(5)C(2)	
(3)	Directly Owned Life Insurance Affiliates	PR004 L(3)C(2)	
(4)	Indirectly Owned Life Insurance Affiliates	PR004 L(6)C(2)	
(5)	Directly Owned Health Insurance Companies or Health Entities	PR004 L(1)C(2)	
(6)	Indirectly Owned Health Insurance Companies or Health Entities	PR004 L(4)C(2)	
(7)	Directly Owned Alien Insurance Companies or Health Entities	PR004 L(9)+L(10)+L(11)C(2)	
(8)	Indirectly Owned Alien Insurance Companies or Health Entities	PR004 L(12)+L(13)+L(14)C(2)	
(9)	Misc Off-Balance Sheet - Non-controlled Assets	PR014 L(15) C(3)	
10)	Misc Off-Balance Sheet - Guarantees for Affiliates	PR014 L(16) C(3)	
11)	Misc Off-Balance Sheet - Contingent Liabilities	PR014 L(17) C(3)	
12)	Misc Off-Balance Sheet - SSAP No.101 Par. 11A DTA	PR014 L(19) C(3)	
13)	Misc Off-Balance Sheet - SSAP No.101 Par. 11B DTA	PR014 L(20) C(3)	
14)	Total R0	L(1)+L(2)+L(3)+L(4)+L(5)+L(6)+L(7)+L(8)+L(9)+L(10)+L(11)+L(12)+L(13)	
	set Risk - Fixed Income		
15)	Bonds Subject to Size Factor	PR006 L(27)C(5)	
15)	Bonds Subject to Size Factor Bond Size Factor RBC	PR006 L(30)C(5)	
15)	Bonds Subject to Size Factor Bond Size Factor RBC Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds	PR006 L(30)C(5) PR015 L(27)C(4)	
15) 16) 17)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.	PR006 L(30)C(5) PR015 L(27)C(4) PR015 L(38)+(39)C(4)	
15) 16)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, &-WCFI, & Residual Tranches or Interests	PR006 L(30)C(5) PR015 L(27)C(4) PR015 L(38)+(39)C(4) PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2)	
15) 16) 17) 18)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, & WCFI, & Residual Tranches or Interests  Misc Assets - Collateral Loans	PR006 L(30)C(5)  PR015 L(27)C(4)  PR015 L(38)+(39)C(4)  PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2)  PR009 L(13)C(2)	
(5) (6) (7) (8) (9) (20)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, &-WCFI, & Residual Tranches or Interests	PR006 L(30)C(5) PR015 L(27)C(4) PR015 L(38)+(39)C(4) PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2)	
15) 16) 17) 18) 19) 20)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, &-WCFI, & Residual Tranches or Interests  Misc Assets - Collateral Loans  Misc Assets - Cash  Misc Assets - Cash Equivalents	PR006 L(30)C(5)  PR015 L(27)C(4)  PR015 L(38)+(39)C(4)  PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2)  PR009 L(13)C(2)  PR009 L(3)C(2)  PR009 L(7)C(2)	
5) 6) 7) 8) 9) 20) 21) 22)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, &-WCFI, & Residual Tranches or Interests  Misc Assets - Cash  Misc Assets - Cash Equivalents  Misc Assets - Other Short-Term Investments	PR006 L(30)C(5) PR015 L(27)C(4) PR015 L(38)+(39)C(4) PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2) PR009 L(13)C(2) PR009 L(3)C(2) PR009 L(7)C(2) PR009 L(10)C(2)	
5) 6) 7) 8) 9) (0) (1) (2) (3)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, &-WCFI, & Residual Tranches or Interests  Misc Assets - Collateral Loans  Misc Assets - Cash  Misc Assets - Cash Equivalents	PR006 L(30)C(5)  PR015 L(27)C(4)  PR015 L(38)+(39)C(4)  PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2)  PR009 L(13)C(2)  PR009 L(3)C(2)  PR009 L(7)C(2)	
15) 16) 17) 18) 19) 20) 21) 22) 23)	Bonds Subject to Size Factor  Bond Size Factor RBC  Off-balance Sheet Collateral & Sch DL, PT1 - Total Bonds  Off-balance Sheet Collateral & Sch DL, PT1 - Cash, & Short-Term Investments and Mort Loans on Real Est.  Other Long-Term Assets - Mortgage Loans, LIHTC, &-WCFI, & Residual Tranches or Interests  Misc Assets - Cash  Misc Assets - Cash Equivalents  Misc Assets - Other Short-Term Investments	PR006 L(30)C(5) PR015 L(27)C(4) PR015 L(38)+(39)C(4) PR008 L(10)+L(13)+L(14)+L(15)+L(16)+L(17)+L(19)+L(21)+L(22)C(2) PR009 L(13)C(2) PR009 L(3)C(2) PR009 L(7)C(2) PR009 L(10)C(2)	