Important Exam Information:

Exam Date and Time	A read-through time of 15 minutes will be given prior to the start of the exam.
Exam Registration	Candidates may register online or with an application.
Order Study Notes	Study notes are part of the required syllabus and are not available electronically but may be purchased through the online store.
Introductory Study Note	The Introductory Study Note has a complete listing of all readings as well as errata and other important information.
Case Study	There is no case study for this examination.
Past Exams	There are no past exams for this examination. Past exams from 2000-present for other SOA exams are available on the SOA website.
Updates	Candidates should be sure to check the Updates page on the exam home page periodically for additional corrections or notices.

1. Topic: Financial Reporting

Learning Objective

The candidate will understand the elements of financial reporting for general insurance companies.

Learning Outcomes

The candidate will be able to:

- a) Understand and apply the concepts of insurance accounting
- b) Compare different financial reporting standards for general insurers including: U.S. Statutory Accounting Principles (SAP), U.S. Generally Accepted Accounting Principles (GAAP), Canadian Generally Accepted Accounting Principles (CGAAP), Solvency II and International Financial Reporting Standards (IFRS)
- c) Describe the elements of the P&C-1 Annual Return
- d) Complete and interpret selected pages/schedules in the P&C-1 Annual Return as included in the resources
- e) Understand and apply the concepts of reinsurance accounting
- f) Understand and apply the elements of discounting for general insurance loss reserves
- g) Demonstrate knowledge of taxation for general insurers in Canada

Resources

- General Insurance Financial Reporting Topics, Society of Actuaries:
 - o Part 1 Accounting Systems for General Insurers
 - Part 2 Accounting for Insurance Contracts
 - o Part 3 Accounting for Financial Instruments
 - Part 5 Accounting for Reinsurance Contracts
 - Part 6 Schedule F, Statutory Credit for Reinsurance (6.1 only)
 - o Part 7 Statutory Loss Accounting and Schedule P (excluding 7.2, 7.4, 7.6, 7.7, 7.10, 7.12 and 7.13)
 - Part 8 Measuring Total Income for General Insurers
 - Part 15 Income Taxes for General Insurers (excluding 15.8 to 15.14)
- *"Instructions P&C-1,"* Office of the Superintendent of Financial Institutions Canada, Revised June 2013, Sections I, IV, and VI (excluding pages VI-1 to VI-4, VI-33 to VI-38, and VI-54 to VI-56) <u>http://www.osfi-bsif.gc.ca/osfi/index_e.aspx?DetailID=671</u>
- "2013 Sample Return, P&C-1, Uniform Annual Return approved by the Canadian Council of Insurance Regulators," Office of the Superintendent of Financial Institutions Canada, excluding pages 10.10 to 10.30, 20.52, 40.12 to 50.40, 70.40, 90.15 to 90.70, 95.10 to 99.10
 www.osfi-bsif.gc.ca/app/DocRepository/1/eng/returns/financial/PC1_e.xls
- "Educational Note: Implications of CICA Accounting Standards 3855 and 1530," Canadian Institute of Actuaries, January 2007 <u>http://www.cia-ica.ca/publications/publication-details/207002</u>
- *"Minor Amendment to Educational Note: Evaluation of the Runoff of P&C Claim Liabilities when the Liabilities are Discounted in Accordance with Accepted Actuarial Practice,"* June 2011 <u>http://www.cia-ica.ca/publications/publication-details/211064</u>
- "Research Paper: Disclosure Requirements IFRS 4–Insurance Contracts for P&C Insurers," Canadian Institute of Actuaries, October 2010 <u>http://www.cia-ica.ca/publications/publication-details/210067</u>
- *"Educational Note: Subsequent Events,"* Canadian Institute of Actuaries, September 2012 <u>http://www.cia-ica.ca/publications/publication-details/212075</u>

"Educational Note: Discounting," Canadian Institute of Actuaries, November 2010 • http://www.cia-ica.ca/publications/publication-details/210079 "Educational Note: Margins for Adverse Deviations for Property and Casualty Insurance," Canadian Institute of Actuaries, December 2009 http://www.cia-ica.ca/publications/publication-details/209138 "Report of the CIA Task Force on the Appropriate Treatment of Reinsurance," Canadian Institute of Actuaries, October 2007 http://www.cia-ica.ca/publications/publication-details/207081 "Risk Transfer Testing of Reinsurance Contracts," Brehm, P. and Ruhm, D., Variance, 2007, Volume 01, Issue 01, pages 9-17 This article may be accessed at www.casact.org through the following navigation: - Publications - Variance Journal - Past Journal Issues - 2007 Volume 01 Issue 01 - 9 Risk Transfer Testing of Reinsurance Contracts... FRE-600-14: "General Insurance Taxation in Canada," Cappelletti, A., Society of Actuaries Study Note "Educational Note: Consideration of Future Income Taxes in the Valuation of Policy Liabilities," Canadian Institute of Actuaries, July 2005

http://www.cia-ica.ca/publications/publication-details/205048

2. Topic: Financial Health Measurement

Learning Objective

The candidate will understand the analysis of a general insurer's financial health through prescribed formulas, ratios and other solvency regulation methods.

Learning Outcomes

The candidate will be able to:

- a) Evaluate the financial health of a general insurer using information contained in the Annual Return
- b) Understand and apply the elements of the U.S. NAIC RBC formula
- c) Calculate and interpret the results of financial health ratios
- d) Understand and apply the elements of the Minimum Capital Test and the Dynamic Capital Adequacy Test
- e) Discuss OSFI Stress Testing
- f) Understand the development and principles of solvency regulation, including that in Canada, the U.S., and the E.U.
- g) Demonstrate knowledge of the E.U Solvency II standard formula solvency capital requirement
- h) Demonstrate knowledge of ORSA and its implementations
- i) Compare different solvency standards
- j) Discuss the function of credit rating agencies and their impact on general insurers

Resources

- General Insurance Financial Reporting Topics, Society of Actuaries:
 - o Part 12 Solvency Monitoring
 - o Part 13 General Insurance Financial Ratings
- FRE-102-14: "Insurance Regulatory Information System (IRIS) Ratios Manual," National Association of Insurance Commissioners, 2013 Edition, Pages 1-26
- "Revised Educational Note: Dynamic Capital Adequacy Testing," Canadian Institute of Actuaries, November 2013, excluding Appendix A <u>http://www.cia-ica.ca/publications/publication-details/213077</u>
- *"Guideline A: Minimum Capital Test for Federally Regulated Property and Casualty Insurance Companies,"* Office of the Superintendent of Financial Institutions Canada, January 2013, Chapters 1, 2 and 4 (4.1 to 4.5) <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/capital/guidelines/mct2013 e.pdf</u>
- "Guideline A-4: Regulatory Capital and Internal Capital Targets," Office of the Superintendent of Financial Institutions Canada, January 2014 http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/capital/guidelines/a4a_e.pdf
- *"Guideline E-18: Stress Testing,"* Office of the Superintendent of Financial Institutions Canada, December 2009 <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/sound/guidelines/e18_e.pdf</u>
- "Key Principles for the Future Direction of the Canadian Regulatory Capital Framework for Property & Casualty Insurance," Office of the Superintendent of Financial Institutions Canada, Property & Casualty (P&C) MCT Advisory Committee, January 2010 http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/capital/guidelines/crcf pci e.pdf
- "Canadian Vision for Property and Casualty Insurer Solvency Assessment," Office of the Superintendent of Financial Institutions Canada, MCT Advisory Committee, December 2011 <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/capital/guidelines/cvpc_e.pdf</u>

• "Discussion Paper on OSFI's Proposed Changes to the Regulatory Capital Framework for Federally Regulated Property and Casualty Insurers," Office of the Superintendent of Financial Institutions Canada, May 2013, excluding Appendices

http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/capital/guidelines/MCTDC_e.pdf

 "Guideline E-19: Own Risk and Solvency Assessment," Office of the Superintendent of Financial Institutions Canada, January 2014, excluding details specific to life insurance only <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/sound/guidelines/e19_e.pdf</u>

3. Topic: Responsibilities of the Actuary

Learning Objective

The candidate will be able to apply the standards of practice regarding the responsibilities of the actuary as defined by regulators and the Canadian Institute of Actuaries.

Learning Outcomes

The candidate will be able to:

- a) Describe, interpret and apply the applicable Standards of Practice
- b) Describe, interpret and apply the responsibilities of the actuary with respect to the Appointed Actuary's Report
- c) Compare the Statements of Actuarial Opinion in the U.S. and Canada
- d) Describe and apply the concept of materiality
- e) Discuss the International Actuarial Association position on the function of the actuary in prudential supervision

Resources

- "Consolidated Standards of Practice: 1600, 2200, 2400, and 2500," Canadian Institute of Actuaries, Effective February 2014 http://www.cia-ica.ca/publications/standards-of-practice
- "International Standard of Actuarial Practice 1, General Actuarial Practice," Approved by the IAA Council November 18, 2012, International Actuarial Association http://www.actuaries.org/ISAP1/ISAP1 Final WebVersion.pdf
- General Insurance Financial Reporting Topics, Society of Actuaries:
 Part 14 Overview of the General Insurance Statement of Actuarial Opinion
- "The P&C Actuary's Role in Solvency Monitoring," Property and Casualty Insurance Compensation Corporation(PACICC), Freidland, J. and Tao, I., KPMG, 2011 <u>http://www.pacicc.ca/publications/research.html</u>
- *"Insurance Companies Act, Financial Institutions Act, Chapter 47,"* Government of Canada, Last amended on July 1, 2013, Sections 165(1 and 2), 203, 331(1, 2 and 4), 346, 357-370, 464, 465, 476-478, 515, 517, 581, 626-632, 641, 664, 665, 667(1 and 2), and 674
 <u>http://laws-lois.justice.gc.ca/PDF/l-11.8.pdf</u>
- "Guideline E-15: Appointed Actuary: Legal Requirements, Qualifications and Peer Review," Office of the Superintendent of Financial Institutions Canada, September 2012 http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/sound/guidelines/e15_final_e.pdf
- "Memorandum for the Appointed Actuary's Report on Property and Casualty Insurance Business 2013," Office
 of the Superintendent of Financial Institutions Canada
 http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/returns/financial/PC A Memo 2013 e.pdf
- "Report: Materiality," Canadian Institute of Actuaries, October 2007 <u>http://www.cia-ica.ca/publications/publication-details/207099</u>
- *"The Function of the Actuary in Prudential Supervision,"* International Actuarial Association, September 2002 <u>http://www.actuaries.org/LIBRARY/Papers/Prudential Supervision EN.pdf</u>

4. Topic: Regulation

Learning Objective

The candidate will be able to describe the current and historical regulatory environment.

Learning Outcomes

The candidate will be able to:

- a) Describe the functions of key regulatory bodies in Canada
- b) Describe and interpret the current state of general insurance regulation in Canada and its development
- c) Compare different forms of rate regulation
- d) Discuss market conduct regulation
- e) Discuss the issues regarding usage based insurance and telematics in automobile insurance
- f) Describe the development of general insurance programs controlled by government or collective insurance industry organizations
- g) Describe the mechanisms of operation for government and/or collective insurance industry controlled programs as included in the resources
- h) Discuss the concept of no-fault laws and its application in general insurance
- i) Understand the regulation of earthquake exposures and reinsurance
- j) Outline the function and regulation of captives

Resources

- FRE-601-14: *The Business of Insurance, C16-2011,* Insurance Institute of Canada, Chapter 5: The Regulatory Environment
- FRE-602-14: *Life and Disability Insurance Laws of Canada (Common Law Provinces),* McDonald, B., Advocis (Canadian Association of Insurance and Financial Advisors), 2003 Edition, Part A, Chapter 2: Constitutional Aspects (pages A2-1 to A2-10)
- FRE-603-14: *Introduction to Canadian Insurance Law,* Brown, C., LexisNexis Canada Inc., Butterworths, 2nd Edition, 2006, Chapter 16: Regulation of The Insurance Industry
- FRE-604-14: "Competition Law: Implications for Canadian General Insurers," Cappelletti, A., Society of Actuaries Study Note
- FRE-605-14: "Research Report Best Practices for Actuarial Involvement in the Regulatory Oversight of Property and Casualty Insurance Rates," Friedland, J., KPMG, Final Release: December 14, 2012, Parts 5 and 6
- "An Approach to Risk-Based Market Conduct Regulation," Canadian Council of Insurance Regulators, October 2008
 http://ccir-ccrra.org/en/init/rbmc/Approach_to_BbMC_EinalDoc_Oct10.pdf

http://ccir-ccrra.org/en/init/rbmc/Approach to RbMC FinalDoc Oct10.pdf

- *"Code of Conduct for Insurers' use of Credit Information (Code),"* Insurance Bureau of Canada <u>http://www.ibc.ca/en/consumer_protection/documents/code_of_conduct.pdf</u>
- "Use of Credit Scores by Insurers," Canadian Council of Insurance Regulators, Issues Paper, Credit Scoring Working Group, June 2011 http://www.ccir-ccrra.org/en/init/credit_scor/CCIR%20credit%20scores%20issues%20paper(En).pdf
- FRE-104-14: "Usage Based Insurance and Telematics," Cappelletti, A., Society of Actuaries Study Note
- "Insurance and the discrimination laws," Edmunds, T., House of Commons Library Standard Note SN04601, March 13, 2013 <u>http://www.parliament.uk/briefing-papers/SN04601</u>

- FRE-100-14: "Government Provision of General Insurance," Cappelletti, A., Society of Actuaries Study Note
- "Making Flood Insurable for Canadian Homeowners," Swiss Re in collaboration with the Institute for Catastrophic Loss Reduction, A Discussion Paper, November 2010, excluding Sections 2, 3 and 4 <u>http://www.iclr.org/images/Making_Flood_Insurable_for_Canada.pdf</u>
- "Considerations for Residual Market Regulation," Facility Association, Position Paper, November 2003 <u>http://www.facilityassociation.com/docs/position_paper/Considerations_for_Residual_Market_Regulation-Nov24.pdf</u>
- "Guide to Compensation Plan for Property and Casualty Insurers," Property and Casualty Insurance Compensation Corporation, May 2010 <u>http://www.pacicc.com/policies/policies/Guide%20to%20Compensation.pdf</u>
- "Guideline B-3: Sound Reinsurance Practices and Procedures," Office of the Superintendent of Financial Institutions Canada, December 2010 <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/sound/guidelines/B3_e.pdf</u>
- "Guidance for Reinsurance Security Agreements," Office of the Superintendent of Financial Institutions Canada, December 2010 <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/notices/osfi/rsa_e.pdf</u>
- "Guideline B-9: Earthquake Exposure Sound Practices," Office of the Superintendent of Financial Institutions Canada, February 2013 <u>http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/prudential/guidelines/b9_e.pdf</u>
- "Memorandum: Draft revisions to Earthquake Financial Resource Formula and Earthquake Data Collection Form for Consultation," Office of the Superintendent of Financial Institutions Canada, July 2013, excluding Appendices B and C http://www.osfi-bsif.gc.ca/app/DocRepository/1/eng/guidelines/capital/guidelines/b9mem e.pdf
- "Recent Developments in the Captive Insurance Industry," Hall, S., National Association of Insurance Commissioners, The Center for Insurance Policy and Research, CIPR Newsletter, January 2012 <u>http://www.naic.org/cipr_newsletter_archive/vol2_captive.htm</u>

5. Topic: Law

Learning Objective

The candidate will be able to understand tort law and insurance law with respect to its impact on the general insurance industry.

Learning Outcomes

The candidate will be able to:

- a) Describe and interpret the key elements of tort law and the underlying principles of insurance law
- b) Compare civil law in the Province of Quebec to common law in the other provinces
- c) Discuss the influence of the U.S. tort litigation environment in Canada
- d) Discuss the issues of tort trends and tort reform as it applies to the general insurance industry
- e) Understand mass torts/class action suits and discuss their impact on the general insurance industry
- f) Describe and interpret legal cases/issues from Important Legal Cases with Respect to the Canadian General Insurance Industry

Resources

- FRE-103-14: *Excerpts from Business Law for Insurance Professionals,* The Institutes, Institutes Custom Publishing, 1st edition, 2013
- FRE-607-14: *Principles and Practice of Insurance, C11-2012,* Insurance Institute of Canada, Chapter 6: The Law and the Judicial System
- FRE-608-14: *Insurance Against Liability Part 1, C13-2012,* Insurance Institute of Canada, Chapter 1: Introduction to Liability Insurance
- *"The Impact of U.S. Tort Law in Canada,"* Klar, L., Pepperdine Law Review, Volume 38, Issue 2, Article 9, 2011 http://digitalcommons.pepperdine.edu/plr/vol38/iss2/9/
- "Asbestos and the Future of Mass Torts," White, M., Journal of Economic Perspectives," Volume 18, Number 2, Spring 2004, Pages 183–204
 http://www.econ.ucsd.edu/~miwhite/asbestos-jep-final.pdf
- FRE-101-14: "Tort Law Issues for General Insurance Actuaries," Cappelletti, A., Society of Actuaries Study Note
- Important Legal Cases with Respect to the Canadian General Insurance Industry
 - "Discriminatory auto insurance rates allowed for bona fide reasons, Zurich Insurance Co. v. Ontario (Human Rights Comm.)," Ontario Human Rights Commission, Discussion paper: Human rights issues in insurance, Case summaries, 1992 http://www.ohrc.on.ca/en/discussion-paper-human-rights-issues-insurance/case-summaries
 - *"The Insurer's Duty of Good Faith and Fair Dealing,"* Slater, M., Slater Vecchio LLP, from an article published in the October 2002 edition of The Verdict, excluding Sections V and VI
 <u>http://www.slatervecchio.com/articles/cases/the-insurers-duty-of-good-faith-and-fair-dealing.htm</u>
 - *"Insurer Bad Faith Damages: A USA-Canada Comparison,"* Kent, N., Clark Wilson LLP, 2005 http://www.cwilson.com/publications/insurance/insurer-bad-faith-damages.pdf
 - *"Primary and Excess Insurance Coverage and the Duty to Defend,"* Dunn, C., Dutton Brock LLP, Articles 2005, November 2005, pages 11 to 20
 <u>http://www.duttonbrock.com/dutton/news/mm/1_54.pdf</u>

0	"The Cap on Non Pecuniary General Damages: Where is it Going and How Does it Affect Litigation," Davidson, J., Macmillan Rooke Boeckle LLP, 2007 <u>http://www.willdavidson.ca/wp-content/uploads/docs/Article.pdf</u>
0	<i>"The Crucial "but for" Test in Determining Causation,"</i> McMillan LLP, Lang Michener LLP InBrief Summer 2007
	http://www.mcmillan.ca/The-Crucial-but-for-Test-in-Determining-Causation
0	"When is a Car Accident Not a Car Accident?," Birenbaum, Steinberg, Landau, Savin & Colraine, LLP,
	March 2009
	http://www.bslsc.com/when-is-a-car-accident-not-a-car-accident/
0	"Morrow v. Zhang: Alberta Court of Appeal Upholds Damages Cap," Shouldice, D., Constitutional
	Issues, University of Alberta, Centre for Constitutional Studies, 2009
	http://ualawccsprod.srv.ualberta.ca/ccs/index.php/constitutional-issues/25-other/118-morrow-v-
	zhang-alberta-court-of-appeal-upholds-damages-cap

• *"The SCC Clarifies Negligence Claims against Public Authorities,"* Tsui, I., The Court, October 2011 <u>http://www.thecourt.ca/2011/10/27/the-scc-clarifies-negligence-claims-against-public-authorities/</u>