

## SOA Life Research in Progress - October 2015

Project Name	Objective	Expected Completion Date
Life Preferred Structure Analysis	Examine the preferred class structure of the life mandatory data contributed to NY and KS through the statistical agent.	complete <sup>1</sup>
GRET for 2016	Develop the Generally Recognized Expense Table (GRET) for 2016 purposes.	complete <sup>2</sup>
2017 Commissioner's Standard Ordinary (CSO)	Develop the 2017 CSO, including preferred structure tables and determine PBR margins for VM-20.	11/18/2015
2013 Variable Annuity Guaranteed Living Benefit Utilization Study	Examine the utilization of guaranteed living benefit options on variable annuity policies under a Joint SOA/LIMRA project.	11/30/2015
2000-08 Structured Settlements Mortality Study	Examine the mortality experience from 2000-08 in structured settlements arising from personal injury claims.	12/31/2015
2009-13 Individual Payout Annuity Mortality Study	Examine the mortality experience from 2009-13 under individual payout annuity contracts.	3/31/2016
Guaranteed Issue/Simplified Issue Mortality Study	Develop tables or other protocol for the valuation of Guaranteed Issue, Simplified Issue and Preneed policies under PBR.	3/31/2016
Underwriting Criteria Scoring Tool (UCT)	Create a tool to assist in the selection of the appropriate relative risk valuation table for PBR valuation.	4/30/2016
2014 Variable Annuity Guaranteed Living Benefit Utilization Study	Examine the utilization of guaranteed living benefit options on variable annuity policies under a Joint SOA/LIMRA project.	9/15/2016
2009-13 Structured Settlement Mortality Study	Examine the mortality experience from 2009-13 in structured settlements arising from personal injury claims.	12/31/2016
2009-12 Individual Life Mortality Study	Complete the next in a series of experience analysis of individual ordinary life insurance mortality.	12/31/2016
2011-14 Group Annuities	Complete a study of mortality experience under group annuity contracts provided by life insurance companies.	12/31/2016
SOA/LIMRA Life Policy Holder Behavior Study	Examine the behavior of policyholders of life insurance policies under a joint SOA/LIMRA project.	1/31/2017
2009-14 Life Premium Persistency	Develop and complete a study of premium persistency experience on flexible pay products like UL, IUL and VUL	1/31/2017

<sup>1</sup><http://www.soa.org/Research/Experience-Study/Ind-Life/Mortality/2015-preferred-class-structure.aspx>

<sup>2</sup><http://www.soa.org/Research/Research-Projects/Life-Insurance/research-2016-gret-recommendation.aspx>

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Regulatory Structures Update	Update a comparison of EU and US regulatory structures	complete <sup>1</sup>
Update to Economic Capital for Life Insurance Companies	Update report describing economic capital methodology and approaches.	6/30/2016
Mortality Conversion Policies	Examine term conversion mortality experience.	12/31/2015
Educational Monograph on the Adjustment For Risk For Financial Reporting Purposes (IAA Managing)	Address the application of risk and uncertainty to the measurement of the liability of insurance contracts in the context of general purpose accounting as adopted by the International Accounting Standards Board (IASB).	12/31/2015
Discount Rate Topics for Non-Pension Actuarial Applications	Produce a study examining the use of discount rates in non-pension actuarial applications.	10/1/2016
Retention Management	Examine insurer life reinsurance retention limit strategies utilized under a current U.S. statutory reserving basis and analyze the impact of these retention limit methods on retained reserves under proposed Solvency II and PBA framework.	12/31/2016
Predictive Analytics Primer	Develop a primer on predictive modeling for life insurers	12/31/2016
Nested Stochastic Approach - do we need it?	Create a resource to help actuaries and others answer three main questions: 1. Is nested stochastic modeling always required to achieve the stated objective? 2. What are the other approaches actuaries can adopt instead of nested stochastic modeling? 3. What techniques can be used to accelerate the run time for nested stochastic modeling?	12/31/2016
State of Longevity Indices	Development of a set of indicators and a composite index that will measure how well the United States is doing to improve the long term well-being for people of all ages.	12/31/2016
PBA Implementation Guide Update	Update SOA PBA Implementation Guide to reflect changes in VM-20 since its release.	

<sup>1</sup><http://www.soa.org/Research/Research-Projects/Finance-Investment/research-2013-life-ins-reg-structures.aspx>