



2024-2025 Registered Index-Linked Annuity Contract Holder Behavior Experience Study Data Request

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CONTENTS

Request for Data Contributions..... 3

Purpose and Scope of the Study..... 3

Form of Data Contributions 4

Important Dates 4

Data Transmission Instructions 4

Study Outputs..... 4

Benefits to Data Contributors 5

Data Access, Ownership and Retention..... 6

APPENDIX A – Data Request Description..... 7

APPENDIX B – Data Request Layout (Contract Level)..... 8

Glossary..... 16

APPENDIX C – Confidentiality of Data 18

APPENDIX D - LLG Governing Information Security Policy 19

About The Society of Actuaries Research Institute 21

About LIMRA 22

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Request for Data Contributions

The Society of Actuaries (SOA) Research Institute's Individual Annuity Experience Committee (IAEC) and LIMRA are soliciting surrender/lapse, withdrawal, living benefit utilization, annuitization, and premium deposit experience for registered index-linked annuities (RILAs) both with and without a guaranteed living benefit offering for calendar years 2024 and 2025.

This document describes the procedures for submitting contract- and product-level data for the study.

Purpose and Scope of the Study

The SOA Research Institute and LIMRA are partnering together to complete industry experience studies. Under this partnership, the SOA Research Institute's IAEC and LIMRA plan to complete a study on the developing experience of registered index-linked annuities.

The scope of this experience study is for registered index-linked annuity contracts with and without market value adjustments (MVAs) as well as contracts with and without guaranteed living benefits (GLBs). This study **does not** include fixed rate deferred annuity contracts, traditional variable annuity contracts, or fixed indexed annuity contracts, which are the subjects of separate studies.

The goals of this study are to:

- Provide a detailed analysis of contract behavior experience in relation to attained age, contract duration, surrender charge schedule and various product design elements.
- Examine withdrawal activity for all RILA business as well as utilization rates for RILA contracts with guaranteed lifetime withdrawal benefits (GLWBs).
- Provide a first view of other contract owner activity including additional premium deposits and rates of annuitization.
- Analyze the experience by several factors, including age of owner, source of funds, distribution channel, contract duration, in-the-moneyness of the benefits, product and rider features, and the type of benefit calculation.

Form of Data Contributions

A detailed description of the data request documents can be found in Appendices A and B.

Contract Level Data

Contract level data can be submitted in one of the following file formats, which must use the ASCII character set:

- Fixed width Text (.txt) using specified columns to denote data elements.
- Delimited text files (comma separated values (CSV), tab delimited or other)
- For formats that do not match the enclosed format specifications, column headings and/or attached feature mapping instructions are required.

Product and Rider Level Data

For this study, product and rider level data will also be collected. For each product and GLWB rider your company includes in this study, whether or not the product or rider is currently being sold, describe the product and rider features by completing the accompanying Excel form (2024-2025 RILA Product and Rider Info.xlsx). Further instructions are contained within the form. Please do not alter the format of the workbook.

Important Dates

We request your intent to participate in the study by **February 11, 2026**. Please contact StudyPro@soa.org via email with your questions and/or response regarding participation.

Your timely data submission is a valuable contribution to this Study. If you have indicated that you intend to participate in the study by submitting data, we request your data be submitted, as described in the following section, no later than **June 30, 2026**. If you would like to contribute, but find that this timing is challenging, please contact StudyPro@soa.org to discuss options.

Once your company's intent to participate has been received, we will send you a confidential company ID code.

Data Transmission Instructions

The SOA Research Institute and LIMRA have partnered to validate, compile, and aggregate the data for this effort. When you are ready to submit your data, please send an email to SOADataTransmissions@limra.com and LIMRA will work with you to securely facilitate the data transmission.

Study Outputs

A report with high level summary results of the study will be made publicly available.

To align the costs to produce this study with the entities who have the most interest in the results, the SOA Research Institute and LIMRA will offer the detailed output/results of the study via an annual subscription fee to the Experience Studie Pro releases. The following may be included in the outputs available for purchase:

- detailed experience study report with analysis and commentary;

- a data visualization dashboard with the ability to filter on and drill down into the detail of the industry aggregate results of the study;
- dataset(s) containing the aggregated industry experience of this study. The datasets may be made available in excel files, text files or downloads from the data visualization tool;
- models or other tools developed to support the analyses completed in the study; and
- other outputs as determined by the SOA Research Institute and LIMRA.

Any output of the study, whether publicly available or available for purchase, will not contain any private information or any confidential contributor level information.

Benefits to Data Contributors

Data contributors will be acknowledged in the study output. Their experience data will be part of a broad industry study that will benefit the industry. The experience data for this study will/may be compared against current industry standard valuation assumptions and significant variance from the current standard may trigger the development of new standards. In such a situation, the data from this study may be used as the basis to develop new valuation standards. Data contributors will benefit from having their company's data be included in the comparison to standard valuation assumptions and from being included in the basis for any new valuation standards.

Data contributors whose data is retained for inclusion in the study and who purchase a subscription to the available study outputs will also receive the following benefits:

- the subscription fee for data contributors will be discounted relative to the purchase fee for other entities such as reinsurers, consultants, and audit firms that cannot provide data for the industry studies. The data contributors' fee is expected to be at a nominal level;
- the ability to see their own experience results compared to the industry results in any available data visualization dashboards or excel pivot tables;
- the option to choose a set of 5 or more peer companies from the companies who provided data to the study and compare the results of these peer companies (in total) to their own company results;
- the opportunity to have a meeting with the SOA Research Institute and LIMRA researcher(s) who performed the analyses for the study. At this meeting, the contributor will be able to quickly gain deeper insight into the results and questions in specific areas of interest.

Data Access, Ownership and Retention

The SOA Research Institute and LIMRA have partnered together to collect and process experience data for this effort. The data collected under this partnership will be processed and housed within LIMRA's existing data infrastructure. The agreement between the SOA Research Institute and LIMRA includes provisions to ensure the data is kept secure and confidential. Only SOA Research Institute and LIMRA staff directly involved with the project will have access to the original data. SOA Research Institute volunteers working on the experience analysis and table development will not have access to original data. For more information on LIMRA's information security program, please see the LLG (LIMRA) Governing Information Security Policy in the Appendix D.

The SOA Research Institute and LIMRA will create aggregated datasets from the original data contributions for the purpose of completing this effort. These aggregated datasets will not contain any personally identifiable information (PII). All aggregated datasets compiled by the SOA Research Institute and LIMRA from the original data contributions will be the property of the SOA Research Institute and LIMRA. Only SOA Research Institute staff, LIMRA staff, or contracted independent consultants will have access to contributor-level data. The aggregated datasets may be used for future research, education or other purposes and offerings, as deemed appropriate by the SOA Research Institute or LIMRA.

APPENDIX A – Data Request Description

Data submissions for this study will include the following types of information:

1. Product and Rider Level Data
2. Contract Level Data

Product and Rider Level Data

For each product and GLWB rider your company includes in this study, whether or not the product or rider is currently being sold, describe the product and rider features by completing the accompanying Excel form ([2024-2025 RILA Product and Rider Info.xlsx](#)). Further instructions are contained within the form.

Contract Level Data

The information at the individual contract level should be submitted on a seriatim basis for deferred RILA contracts from your company's in-force business for the calendar year of observation.

Draw the records from the group of RILA contracts in force at the beginning of each calendar year or issued between January 1 and December 31 of that year. The data set should include both contracts that remain in force until the end of that calendar year and contracts that terminated before the end of the calendar year. Include single- and flexible-premium products. Contracts should be included regardless of whether they have a GLWB or other type of guaranteed living benefit elected.

Exclude all types of variable annuities, fixed indexed annuities, and traditional fixed-rate annuities. Exclude annuities sold within employer-sponsored plans such as 401(k), 403(b), 457, Keogh, SEP-IRAs, and SIMPLE plans. Also exclude any contracts sold outside the US and its territories.

Please refer to the "Data Request Layout" in Appendix B when assembling your company's data.

- Contract level data can be submitted in one of the following file formats, which must use the ASCII character set:
- Fixed width text (.txt) using specified columns to denote data elements.
- Delimited text files (comma separated values (CSV), tab delimited or other)
- For formats that do not match the enclosed format specifications, column headings and/or attached mapping instructions are required.

APPENDIX B – Data Request Layout (Contract Level)

If any data item is not available, leave the field blank; do not code missing items as zero. For dollar amounts, do not include dollar signs, commas, decimal points, or cents – round to the nearest dollar. Express percentages as integer amounts (ex. 50 (50%), 7.5 (7.5%)).

Position	Data Item	Data Item Abbreviation	Description and Comments
1-4	Company code	LIMRA	<i>Please contact LIMRA for your company's 4-digit code</i>
5-24	Contract number	CONTRACT	<p>If this number is alphanumeric, include alphabetic codes.</p> <p>Contract IDs should be unique. For contracts present for multiple study years, consistent IDs should be used across study years and across previous study data submissions. If this is not possible, please contact us for guidance.</p> <p>For data security reasons, we request that you provide a de-identified contract ID rather than the actual contract number associated with the contract owner(s).</p>
25-34	Plan code	PLANCODE	<p>Plan codes are used to link each contract with a specific product. The plan codes provided in the contract data file should match with plan codes provided in the product-level data (see separate Excel product and rider data workbook). While a product can have multiple plan codes, a plan code can only be matched to a single product.</p> <p>Leading zeros may be used for numeric codes and leading blanks may be used for alpha codes.</p>
35-38	Calendar year of observation	OBSYEAR	4-digit year
39-40	Month contract was Issued	MOISS	1-12
41-42	Day of month contract was issued	DAYISS	1-31
43-46	Calendar year contract was issued	YRISS	4-digit year
47-47	Market type	MKTYPE	1= IRA, 2= Nonqualified, 3= Roth IRA
48-57	Account value at beginning of calendar year	AVBOY	Report account value before surrender charges as of the beginning of the calendar year. For contracts issued during the calendar year, leave this field blank.
58-67	Account value at contract anniversary	AVANN	Report account value before surrender charges as of the contract anniversary. For contracts issued during the calendar year, report first-year premium.

Position	Data Item	Data Item Abbreviation	Description and Comments
68-77	Account value at end of calendar year	AVEOY	Report account value before surrender charges as of the end of the calendar year. Leave blank for contracts that terminated during the calendar year of observation.
78-78	Status code	STATCODE	<p>Status as of end of the calendar year of experience:</p> <p>0= Contract in force or in spousal continuation</p> <p>1= Terminated by death (We are specifically seeking data related to the <i>initial termination</i> due to the primary owner's death. Do not include cases where the contract continued through spousal or beneficiary continuance and was only later terminated due to death.)</p> <p>2= Transferred to annuity payout status due to a guaranteed living benefit contract provision (i.e., AV dropping to 0 on GLWB contract or contract owner electing a payout option for GMIB activation)</p> <p>3= Transferred to annuity payout status for reasons other than guaranteed living benefit</p> <p>4 = Terminated by full surrender or full replacement</p>
79-80	Month of status change	MOSTAT	<p>1-12</p> <p>Leave blank if contract has status code = 0.</p>
81-82	Day of status change	DAYSTAT	<p>1-31</p> <p>Leave blank if contract has status code = 0.</p>
83-86	Year of status change	YRSTAT	<p>4-digit year of status change</p> <p>Leave blank if contract has status code = 0.</p>
87-96	Account value at time of full surrender	AV_SURRE	<p>Report account value before surrender charges at time of full surrender. If account value as of full surrender date is not available, use end of prior month value.</p> <p>Leave field blank if contract not surrendered.</p>
97-106	Surrender charge at time of full surrender	SC_SURRE	<p>Report dollar amount (not percentage). Code as 0 if no charge.</p> <p>Leave field blank if contract not surrendered.</p>

Position	Data Item	Data Item Abbreviation	Description and Comments
107-113	Market-value adjustment assessed on transaction at time of full surrender	MVA_SURR	Report dollar amount (not percentage). Code as 0 if no adjustment. Enter negative value if surrender resulted in an <i>increase</i> in the surrender value. Leave field blank if contract not surrendered.
114-123	Theoretical surrender charge, beginning of contract year	TSC_BOY	Report surrender charge amount (not percentage) that would have been incurred if owner fully surrendered the contract on the anniversary date. Include charge assessed on amount withdrawn that exceeds the penalty-free amount, if applicable. Newly issued contracts should report the theoretical surrender charge at the time of issue. Code as 0 if no charge would have been applied.
124-133	Total partial withdrawals during calendar year	PWITHD	Sum of all partial withdrawals (i.e., those taken under terms of GLWB or not under the GLWB, systematic, and non-systematic) during calendar year. Do not include full surrender amounts.
134-143	Partial withdrawals under the terms of GLWB during calendar year	PWITHD_GLWB	Sum of all partial withdrawals taken under the terms of the GLWB (systematic and non-systematic) during calendar year (during GLWB income phase). This amount should be a subset of the field above and should include the value of systematic withdrawals taken under the terms of the GLWB. <i>See glossary for definition of GLWB benefit activation.</i>
144-153	Total systematic withdrawals during calendar year	SWITHD	Sum of all systematic withdrawals during calendar year – whether or not they are under the terms of the GLB. RMDs should be included if these are set to be automatically withdrawn. Systematic withdrawals refer to a series of annual payments or regularly-scheduled payments as requested by the owner.

Position	Data Item	Data Item Abbreviation	Description and Comments
154-163	Systematic withdrawals under terms of the GLWB during calendar year	SWITHD_GLWB	<p>Sum of all systematic withdrawals during calendar year (only systematic withdrawals under terms of the GLWB). This amount should be a subset of the field above.</p> <p>RMDs should be included if these are set to be automatically withdrawn.</p> <p>Systematic withdrawals refer to a series of annual payments or regularly-scheduled payments as requested by the owner.</p>
164-164	Contract ownership	OWNER	<p>1=Single</p> <p>2=Joint</p> <p>3=Other</p>
165-168	Primary annuitant's year of birth	YRBIRTH	4-digit year.
169-170	Primary annuitant's month of birth	MOBIRTH	1-12
171-172	Primary annuitant's day of birth	DAYBIRTH	1-31
173-173	Sex of primary annuitant	SEX	1=M, 2=F
174-177	Secondary annuitant's year of birth	S_YRBIRTH	4-digit year. Leave blank if no secondary annuitant.
178-179	Secondary annuitant's month of birth	S_MOBIRTH	1-12. Leave blank if no secondary annuitant.
180-181	Secondary annuitant's day of birth	S_DAYBIRTH	1-31. Leave blank if no secondary annuitant.
182-182	Sex of secondary annuitant	S_SEX	1=M, 2=F. Leave blank if no secondary annuitant.
183-183	Distribution channel	DISTRIB	<p><i>See Glossary for definitions</i></p> <p>1=Career agent</p> <p>2=Independent agent</p> <p>3=Full-service national broker/dealer</p> <p>4=Independent broker/dealer</p> <p>5=Bank</p> <p>6=Direct response</p> <p>7 = RIA/advisor</p> <p>9 = Unknown</p>
184-193	Current-year premiums collected	CURPREM	Sum of all premiums received during calendar year. For second-year and later contracts, this represents only additional deposits to the contract by the contract owner during the calendar year of observation.

Position	Data Item	Data Item Abbreviation	Description and Comments
194-203	First-year premiums collected	FPREM	Same as current-year premiums amount if issued during calendar year. If issued prior to the current calendar year of observation, this should only include premiums deposited in the first contract year.
204-213	Cumulative premiums collected since date of issue, as of beginning of calendar year	CUMLPREM	Set to zero for contracts issued during the calendar year of observation.
214-223	Cumulative withdrawals since issue, as of beginning of calendar year (all withdrawals)	CUMLWITHD	Leave blank if contract issued during current year. Include all withdrawals since issue (both systematic and non-systematic and those under the GLWB and not under the GLWB). Leave blank if no withdrawals taken.
224-229	Cumulative withdrawals since issue, as of beginning of calendar year (only withdrawals under terms of the GLWB)	CUMLWITHD_GLWB	Leave blank if contract issued during current year. Include all withdrawals since issue both systematic and non-systematic but only those taken under the GLWB. This amount should be a subset of the field above. Leave blank if no withdrawals taken under terms of the GLWB.
230-230	Guaranteed death benefit type	DEATHBEN	1=Current account value 2=Enhanced (typically some combination of roll up rate and step ups) 3=Other (please explain in product specifications)
231-231	Guaranteed living benefit rider type	GLB_TYPE	1 =GLWB - lifetime withdrawal benefit 2 =Other 3 =None

Position	Data Item	Data Item Abbreviation	Description and Comments
	GLWB-SPECIFIC VARIABLES		<p>If "Guaranteed living benefit rider type" = 1 GLWB, please complete next section.</p> <p>Leave remaining fields blank if the contract does not have a GLWB.</p>
232-233	Rider version code	RIDER_VERSION_CODE	Enter code (1 to 99). This value must match the rider version codes provided in the "GLWB specs" tab of the product data workbook submitted along with the contract level data.
234-237	Year rider effective on contract	YR_EFF	<p>Report 4-digit calendar year in which rider became effective on contract.</p> <p>Effective date equals the start of the GLWB waiting period or the date the rider was elected if the rider has no waiting period.</p>
238-239	Month rider effective on contract	MO_EFF	1-12
240-241	Day rider effective on contract	DAY_EFF	1-31
242-244	Rider charge in effect during year	RIDER_CHARGE	In basis points (1-999)
245-248	Primary covered life's year of birth	PC_YRBIRTH	<p>4-digit year.</p> <p>"Covered life" refers to the individual on whom the GLWB withdrawal schedule is based.</p>
249-250	Primary covered life's month of birth	PC_MOBIRTH	1-12
251-252	Primary covered life's day of birth	PC_DAYBIRTH	1-31
253-253	Sex of primary covered life	PC_SEX	1=M, 2=F
254-257	Secondary covered life's year of birth	SC_YRBIRTH	<p>4-digit year.</p> <p>Based on spouse or other individual on whom withdrawal schedule is based if joint lives payout.</p>
258-259	Secondary covered life's month of birth	SC_MOBIRTH	1-12

Position	Data Item	Data Item Abbreviation	Description and Comments
260-261	Secondary covered life's day of birth	SC_DAYBIRTH	1-31
262-262	Sex of secondary covered life	SC_SEX	1=M, 2=F
263-272	Benefit base at beginning of calendar year	BENBASE_BOY	<p><i>See Glossary for definition</i></p> <p>For benefit bases that are credited less frequently than annually, enter benefit base as of the date last credited.</p> <p>Leave blank for newly issued contracts.</p>
273-282	Benefit base at contract anniversary	BENBASE_ANN	<p>If GLWB was cancelled or the contract terminated before the contract anniversary in the current observation year, code as zero (do not code as blank).</p> <p>For newly issued contracts, set equal to first-year premiums paid.</p>
283-292	Benefit base at end of calendar year	BENBASE_EOY	For benefit bases that are credited less frequently than annually, enter benefit base as of the date last credited. If GLWB was cancelled during calendar year, code as zero (do not code as blank).
293-297	Maximum annual withdrawal <u>percentage</u> under terms of GLWB, beginning of calendar year	MAX_PERC_BOY	<p>Up to two decimal places: XX.XX.</p> <p>Do not include percent sign.</p> <p>For example, "4.5%" should be submitted as "4.50".</p> <p>If owner commenced withdrawals during the current calendar year or a previous calendar year, enter the maximum annual percentage applicable to the contract.</p> <p>If owner has not yet commenced withdrawals, enter the hypothetical maximum annual withdrawal percentage that would apply if withdrawals were to commence at the start of the current calendar year. If the GLWB offers single-life and joint-lives payouts, assume a single-life payout.</p>

Position	Data Item	Data Item Abbreviation	Description and Comments
298-307	Maximum annual withdrawal <u>amount</u> under terms of GLWB, beginning of calendar year	MAX_AMT_BOY	<p>If owner commenced withdrawals during the current calendar year or a previous calendar year, enter the maximum annual percentage applicable to the contract.</p> <p>If owner has not yet commenced withdrawals, enter the hypothetical maximum annual withdrawal amount that would apply if withdrawals were to commence at the start of the current calendar year. If the GLWB offers single-life and joint-lives payouts, assume a single-life payout.</p>
308-312	Guaranteed interest rate applied to benefit base during contract year	GTD_INTRATE	Up to two decimal places: XX.XX. Do not include percent sign.
313-316	Year withdrawals under terms of GLWB began	YR_WITHD_START	4-digit calendar year that owner first began to take withdrawals under the terms of the GLWB. This year may or may not equal the calendar year of observation.
317-318	Month withdrawals under terms of GLWB began	MO_WITHD_START	1-12
319-320	Day withdrawals under terms of GLWB began	DAY_WITHD_START	1-31
321-322	Month GLWB terminated during calendar year	MO_WB_TERM	1-12. Leave blank if rider not terminated during calendar year.
323-324	Day GLWB terminated during calendar year	DAY_WB_TERM	1-31. Leave blank if rider not terminated during calendar year.
325-325	Lifetime payout selected	LIFEPAYOUT	1 - Single life 2 - Joint lives
326-327	State of contract issue	STATE	Use standard state abbreviation codes (e.g., NY for New York). All U.S. territories and non-state areas (e.g., Puerto Rico, American Samoa, U.S. Virgin Islands, District of Columbia) are included.

Glossary

Benefit Base

The benefit base generally equals the initial premium received (and premium bonuses, if applicable), plus additional premium, rollups, ratchets, or step-ups, less cumulative withdrawals under certain circumstances. The maximum annual withdrawal amount usually represents the product of the benefit base and the applicable maximum annual withdrawal percentage. If the cumulative withdrawals exceeded the annual benefit maximum withdrawal amount in the year in which they occurred, the excess withdrawal amount may have reduced the benefit base proportionally to the account value or have had a dollar-for-dollar reduction. If the cumulative withdrawals were equal to or less than the maximum withdrawal amount, there should not have been any decrease in the benefit base.

Distribution Channels

Career agents includes agents and multiple-line exclusive agents who devote at least 75 percent of their time selling one insurance company's products. Companies generally provide financing, training, supervision, and office space.

Independent agents includes PPGAs and life brokers using company's own broker-dealer. PPGAs are experienced, full-time producers who earn commissions plus overrides on personally produced business. Life brokers have no primary company relationship and are paid straight commissions only (no overrides). Also included in this category is any other type of independent agent.

Full service national broker-dealers includes national wirehouses and large regional broker-dealers.

Independent broker-dealers includes sales by representatives who sell through independent FINRA firms. Excludes national wirehouses and large regional broker-dealers, sales through a company's own broker-dealer, and FINRA firms that market through banks/S&Ls

Banks includes sales through banks, credit unions, and FINRA firms that market through banks and/or savings and loan companies (S&Ls).

Direct response includes sales made by salaried employees, direct mail, and telemarketing. Employees may be paid incentives or bonuses; however, no commissions are paid.

RIA/advisor channel includes fee-based sales through financial planners and registered investment advisors.

GLWB Benefit Activation / Taking Withdrawals Under Terms of GLWB

The contract owner has requested to receive, on an ongoing basis, an amount up to the maximum annual withdrawal amount permitted under the terms of the GLWB rider. The amount requested can be received in a series of annual payments or in regularly-scheduled payments during the year (i.e., systematic withdrawals). The owner request to activate the GLWB/GMWB may have occurred prior to or during the contract year of observation.

For IRA owners age 72 or older before 1/1/23, the owner will be considered to be taking withdrawals under the terms of the GLWB if s/he requests the required minimum distribution (RMD) amount, even if this

value exceeds the maximum annual withdrawal amount determined by the benefit calculation method for the rider, as long as the rider permits these withdrawals (i.e., is “RMD friendly”).

Withdrawals occurring prior to the minimum age of onset of lifetime withdrawals should not be considered to be under the terms of the rider unless a) the rider allows such withdrawals to be treated as guaranteed *non-lifetime* withdrawals, and b) the owner takes out an amount less than or equal to the maximum annual non-lifetime withdrawal amount during the year.

APPENDIX C – Confidentiality of Data

The SOA Research Institute and LIMRA have been conducting industry research studies for many years and realize the importance of maintaining utmost confidentiality of data. All data will be treated with complete confidentiality. Detailed, aggregate results will be compiled in summary reports which will be available to purchasing companies. Some select, high-level results may also be used in public reports and public forums such as conference presentations, press releases and articles in trade publications.

No information from individual participating companies will be identified, nor will the data be shown in a fashion whereby individual company results can be identified either in the summary report or the public forums listed above. The SOA Research Institute and LIMRA reserves the right to release confidential information under a valid order created by a court or government agency. A list of all participating companies will be included in the report.

APPENDIX D - LLG Governing Information Security Policy

LLG Information Technology has created and maintains a comprehensive information security program called Governing Information Security Policy for LLG. This program covers information security, risk assessment, and privacy for all LLG IT activities. The program ensures that LLG has in place adequate technical, administrative, and physical safeguards to protect sensitive information. LLG's Chief Information Security Officer is the owner of the program document, and reviews and updates it annually.

1. Zero Trust Architecture Model

LLG's security model is centered on the belief that devices are not to be automatically trusted inside or outside our perimeters. All connections must verify and continually be verified they meet a defined set of requirements before being granted access as well as ongoing access.

2. Physical Security

LLG has industry best practice physical controls to protect staff, information, and guard against intrusion theft, damage, and unauthorized access. A badge reader system controls access to LLG's facilities, computer rooms, and areas where sensitive information is stored. Employees, contractors, and consultants have photo ID badges, that must be prominently displayed. Visitors and third parties must be provided with badges that are prominently displayed at all times during their use of LLG's buildings. LLG IT maintains procedures to ensure that computer and communications rooms are secured and protected from fire.

3. Data Storage

The physical storage location of data is Windsor, CT. The core physical infrastructure that includes physical hardware asset management, security, data protection, and networking services is managed by LLG staff. All systems are managed, monitored, and operated by LLG.

4. End-Point Protection

LLG Information Technology department develops, maintains, and revises as needed, a manual of procedures that govern the following:

Use of software to protect the computing environment from viruses and other malicious tools

Updating the computing environment with "patches" for known vulnerabilities

Restricting the ability of unprotected systems to access the environment

Installed and running on all LLG connected computers is an industry approved end-point protection software program that is updated regularly. Definitions are set to update daily.

5. Firewalls

LLG utilizes next-generation firewalls to inspect all traffic including applications, threats, and content. The next-generation firewalls provide LL Global the ability to:

Securely enable applications, users, and content by classifying all traffic.

Apply security policies to block known vulnerability exploits, viruses, ransomware, spyware, botnets, and other unknown malware, such as advanced persistent threats.

Protect our network by segmenting data and applications and enforcing the Zero Trust principle.

Provide centralized visibility and streamline network security, making data actionable to prevent successful cyberattacks.

URL filtering for outbound connections to prevent access to inappropriate websites.

Malware analysis and reporting via a cloud-based analysis service that provides detailed analysis and reporting on malware that passes through the firewall.

6. Network Zoning

LLG isolates critical network segments. Virtual machines are one network segment, databases are another, etc.

7. Access Controls

LLG has a comprehensive Access Control Policy that governs access control standards within processing systems and LLG networks, for user registration and privilege management, and for password use and management. This policy also contains requirements and safeguards associated with mobile technologies.

To access LLG computer network and business applications, all users must authenticate with a single unique user ID and a personal secret password managed through Active Directory. Each computer and communication system user ID uniquely identifies only one user. Shared or group user IDs are not created or used. User passwords have strength Requirements and must be changed every 90 days for LLG systems.

8. Least Privilege

LLG adheres to the principle of least privilege. The computer and communications system privileges of all users, systems, and programs are restricted based on the need to know. Special system privileges, such as the ability to examine the files of other users, are restricted to those directly responsible for system management and/or systems security. The number of privileged user IDs is strictly limited to people who absolutely need such privileges for authorized business purposes.

System administrators who manage computer systems with more than one user will have at least two user IDs, one that provides privileged access and is logged, and the other that provides the privileges of a normal user for day-to-day work.

9. Default System Configuration

LLG disables and does not use default or vendor accounts.

10. Recertification of Access

LLG recertifies users access accounts on a quarterly basis.

11. Connection to LLG Network

LLG network does not permit anyone to physically connect a personal computer or device to the network. All computers and devices that physically connect to the LLG network are owned, configured, and maintained by LLG. LLG does have a smartphone Bring Your Own Device policy, but devices covered under this policy, are configured only for e-mail access and do not connect to the LLG network.

About The Society of Actuaries Research Institute

Serving as the research arm of the Society of Actuaries (SOA), the SOA Research Institute provides objective, data-driven research bringing together tried and true practices and future-focused approaches to address societal challenges and your business needs. The Institute provides trusted knowledge, extensive experience and new technologies to help effectively identify, predict and manage risks.

Representing the thousands of actuaries who help conduct critical research, the SOA Research Institute provides clarity and solutions on risks and societal challenges. The Institute connects actuaries, academics, employers, the insurance industry, regulators, research partners, foundations and research institutions, sponsors and non-governmental organizations, building an effective network which provides support, knowledge and expertise regarding the management of risk to benefit the industry and the public.

Managed by experienced actuaries and research experts from a broad range of industries, the SOA Research Institute creates, funds, develops and distributes research to elevate actuaries as leaders in measuring and managing risk. These efforts include studies, essay collections, webcasts, research papers, survey reports, and original research on topics impacting society.

Harnessing its peer-reviewed research, leading-edge technologies, new data tools and innovative practices, the Institute seeks to understand the underlying causes of risk and the possible outcomes. The Institute develops objective research spanning a variety of topics with its strategic research programs: aging and retirement; actuarial innovation and technology; mortality and longevity; diversity, equity and inclusion; health care cost trends; and catastrophe and climate risk. The Institute has a large volume of [topical research available](#), including an expanding collection of international and market-specific research, experience studies, models and timely research.

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Established in 1916, LIMRA is a research and professional development not-for-profit trade association for the financial services industry. More than 600 insurance and financial services organizations around the world rely on LIMRA's research and educational solutions to help them make bottom-line decisions with greater confidence. Companies look to LIMRA for its unique ability to help them understand their customers, markets, distribution channels and competitors and leverage that knowledge to develop realistic business solutions.

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