

Contingencies

2004

DIRECTORY OF
ACTUARIAL SOFTWARE

SOFTWARE AT-A-GLANCE

FINANCE/INVESTMENT

	AD	AN	CF	COM	DM	DB	DC	ET	FAS	FR	ILL	LR	MOD	PR	RT	VAL	LIST	AD
*Classic Solutions																	49	9
MoSes 5																		
TAS																		
COSS Development Corporation																	50	
iFORMS-Wizard Driven Electronic Forms	*																	
COSS eLearning								*										
WealthScape		*											*					
Wealth Illustrator											*		*			*		
CSC																	52	
Visual Product Modeling System (VP/MS)	*	*	*	*							*		*					
*Deloitte.																	49	31
Glean		*			*													
Prophet		*	*	*						*			*	*		*		
GGY Inc.																	52	
AXIS		*	*	*						*			*	*		*		
DataLink		*	*	*						*			*	*		*		
ScenarioTools		*	*	*						*			*	*		*		
*Integrated Actuarial Services, Inc.																	49	25
Integrated TOTAL-LIFE™ Actuarial & Administration System	*	*	*	*						*	*		*	*		*		
*Lewis & Ellis, Inc.																	49	57
LEAPPS®		*	*										*	*				
*Milliman USA																	49	1,3,13
MG-ALFA		*	*	*						*	*		*	*		*		
*Palisade Corporation																	49	69
@RISK		*	*		*					*			*	*		*		
StatTools		*	*		*					*			*	*		*		
DecisionTools Suite		*	*		*					*			*	*		*		
@RISK for Project		*	*		*					*			*	*		*		
RISKOptimizer		*	*		*					*			*	*		*		
@RISK Developer's Kit		*	*		*					*			*	*		*		
*PolySystems, Inc.																	50	51,C3
Asset Delphi		*	*	*	*					*		*	*			*		
SunGard Insurance Systems																	52	
SunGard COMPASS	*			*		*	*			*								
Watson Wyatt Insurance & Financial Services, Inc.																	52	
Watson Wyatt VIP		*	*					*		*	*		*	*		*		
Watson Wyatt Market-consistent asset model		*	*							*			*	*		*		
*Winklevoss Technologies																	50	53
ProVal	*	*	*	*	*	*			*	*			*			*		
ProValPS		*	*			*			*	*			*					

GROUP/HEALTH

	AD	AN	CF	COM	DM	DB	DC	ET	FAS	FR	ILL	LR	MOD	PR	RT	VAL	LIST	AD
*Actuarial Resources Corporation																	54	55
ARCVAL		*	*		*					*			*			*		
HealthVAL																*		
*Classic Solutions																	54	9
MoSes 5													*					
TAS													*					
*Deloitte.																	54	31
Glean		*			*													
Prophet		*	*	*						*			*	*		*		

	Administration/Documents	Analysis	Cash Flow/Projections	Compliance/Testing	Data Management/Warehousing	Defined Benefit	Defined Contribution/401(k)	Education/Training	FAS 106	Financial Reporting	Illustrations	Loss Reserving	Modeling	Pricing	Ratings	Valuation	Listing on page	Ad on page
Genelco Software Solutions																	60	
Genelco Group+	x																	
GGY Inc.																	60	
AXIS		x	x	x						x			x	x		x		
DataLink		x	x	x						x			x	x		x		
ScenarioTools		x	x	x						x			x	x		x		
*Integrated Actuarial Services, Inc.																	54	25
Integrated TOTAL-LIFE™ Actuarial & Administration System	x	x	x	x						x	x		x	x		x		
*KSI Systems, Inc.																	54	56
StepWise Automated Rating System		x											x	x	x			
*Lewis & Ellis, Inc.																	56	57
Lewis & Ellis Health Care Model		x											x	x				
LEAPPS®		x	x										x	x				
IBSEN Life	x	x								x								
AKS										x						x		
*Lynchval Systems Worldwide Inc.																	56	18
LVmed		x	x		x				x							x		
*Milliman USA																	56	1,3,13
MG-ALFA		x	x	x						x	x		x	x		x		
MG-Triton Health		x	x							x						x		
*Palisade Corporation																	58	69
@RISK		x	x		x					x			x	x		x		
StatTools		x	x		x					x			x	x		x		
DecisionTools Suite		x	x		x					x			x	x		x		
@RISK for Project		x	x		x					x			x	x		x		
RISKOptimizer		x	x		x					x			x	x		x		
@RISK Developer's Kit		x	x		x					x			x	x		x		
*PolySystems, Inc.																	58	51,C3
HealthMaster																x		
Delphi Series													x					
Asset Delphi		x	x	x	x					x		x	x			x		
Horizon Series					x													
Measure		x																
*Reden & Anders, Ltd.																	59	59
Reden & Anders Actuarial Toolbox™		x											x	x	x			
Reden & Anders Electronic Medical Underwriting Manual																x		
Reden & Anders Excess of Loss Rating Models													x	x	x			
Reden & Anders Effective Per Diem Model																		
Reden & Anders Comprehensive Commercial Medical Expense Pricing Model																		
Reden & Anders Consumer-Driven Pricing Model																		
Reden & Anders Physician Specialty Medical Expense Models																		
Reden & Anders Prescription Drug Pricing Model																		
Reden & Anders Physician Fee Model																		
SunGard Insurance Systems																	60	
SunGard COMPASS	x			x		x	x			x								
Watson Wyatt Insurance & Financial Services, Inc.																	60	
Watson Wyatt VIP		x	x							x	x		x	x		x		
*Winklevoss Technologies																	60	53
ProVal	x	x	x	x	x	x			x	x			x			x		

SOFTWARE AT-A-GLANCE

LIFE ANNUITIES

	AD	AN	CF	COM	DM	DB	DC	ET	FAS	FR	ILL	LR	MOD	PR	RT	VAL	LIST	AD
*Actuarial Resources Corporation																	61	55
ARCVAL		x	x		x					x			x			x		
Experience Analyzer - Lite		x																
ARCBASE		x			x													
CARVM																x		
Dividend Designer																		
Earnings Analyzer		x	x															
Experience Analyzer		x								x								
Financial Forecaster		x	x										x					
GAAP			x							x			x			x		
GAAP History Builder		x	x										x			x		
Structures																x		
TL-Flyer																x		
UltraVAL																x		
*AdminServer																	62	11
AdminLife & Annuity		x			x			x		x						x		
*Aon Consulting																	62	17
IRC Section 7702/7702A Compliance Software				x														
Actuarial Software Model Conversion Utility													x					
*Classic Solutions																	62	9
MoSes 5													x					
TAS													x					
COSS Development Corporation																		
Enterprise Point of Sale Illustrations											x						66	
iFORMS-Wizard Driven Electronic Forms		x																
COSS eLearning								x										
WealthScope			x										x					
Wealth Illustrator											x		x			x		
*Deloitte																	62	31
Glean			x		x													
Prophet			x	x	x					x			x	x		x		
Genelco Software Solutions																	67	
Genelco Life+		x												x	x	x		
Genelco LifeView		x																
GGY Inc.																	67	
AXIS			x	x	x					x			x	x		x		
DataLink			x	x	x					x			x	x		x		
ScenarioTools			x	x	x					x			x	x		x		
*Integrated Actuarial Services, Inc.																	62	25
Integrated TOTAL-LIFE™ Actuarial & Administration System		x	x	x	x					x	x		x	x		x		
*Lewis & Ellis, Inc.																	63	57
LEAPPS®			x	x									x	x				
LE*XTRAS										x						x		
LE*EXPOSURE™			x							x						x		
LE*DIS™			x							x						x		
IBSEN Life		x	x							x						x		
AKS										x						x		
e-Insurance Desk											x							
Insurance Desk											x							
In-Force Illustration System											x							
*Milliman USA																	63	1,313
MG-ALFA			x	x	x					x	x		x	x		x		
MG-Triton Traditional Life			x	x						x						x		
MG-Triton Payout Annuity			x	x						x						x		

	Administration/Documents	Analysis	Cash Flow/Projections	Compliance/Testing	Data Management/Warehousing	Defined Benefit	Defined Contribution/401(k)	Education/Training	FAS 106	Financial Reporting	Illustrations	Loss Reserving	Modeling	Pricing	Ratings	Valuation	Listing on page	Ad on page
MG-Triton Deferred Annuity		x	x							x						x		
MG-Triton Interest-Sensitive Life		x	x							x						x		
STEPSolutions	x																	
*Palisade Corporation																	64	69
@RISK		x	x		x					x			x	x		x		
StatTools		x	x		x					x			x	x		x		
DecisionTools Suite		x	x		x					x			x	x		x		
@RISK for Project		x	x		x					x			x	x		x		
RISKOptimizer		x	x		x					x			x	x		x		
@RISK Developer's Kit		x	x		x					x			x	x		x		
*PolySystems, Inc.																	64	51,C3
AnnuityMaster																x		
UL Master																x		
LifeMaster																x		
Dividend Generator		x								x			x					
Delphi Series			x										x					
Asset Delphi		x	x	x	x					x		x	x			x		
FAS 97 Reporting System			x													x		
FAS 120 Reporting System			x													x		
Income PayMaster																x		
Horizon Series					x													
Measure		x																
SOE Series		x																
ReMaster																x		
*Quasar Systems, Inc.																	66	65
R ² -The Reinsurance Resolution	x																	
SunGard Insurance Systems																	67	
SunGard COMPASS	x			x		x	x			x								
*TAI																	66	6
TAI-mainframe	x																	
TAI-client server	x																	
TAI-.NET	x																	
Watson Wyatt Insurance & Financial Services, Inc.																	67	
Watson WyattVIP		x	x					x		x	x		x	x		x		
Watson Wyatt Market-consistent asset model		x	x							x			x	x		x		

PENSIONS

	AD	AN	CF	COM	DM	DB	DC	ET	FAS	FR	ILL	LR	MOD	PR	RT	VAL	LIST	AD
Actuarial Systems Corporation																	71	
ASC Defined Contribution/401(k) Valuation System	x						x									x		
AIM Case Management & Project Tracking	x				x													
Defined Benefit Valuation System	x					x												
Gemini Web Based Participant Account	x						x											
ASC Compliance Testing System				x														
*Classic Solutions																	68	9
MoSes 5													x					
TAS													x					
*Deloitte.																	68	31
Glean		x			x													
Prophet		x	x	x						x			x	x		x		
*Lynchval Systems Worldwide Inc.																	68	18
LynchVal	x	x	x		x	x							x			x		
Lvadmin	x		x		x	x					x							
LVa4				x		x												
LVmed		x	x		x				x							x		
LVdc	x		x		x		x				x							

SOFTWARE AT-A-GLANCE

	Administration/Documents	Analysis	Cash Flow/Projections	Compliance/Testing	Data Management/Warehousing	Defined Benefit	Defined Contribution/401(k)	Education/Training	FAS 106	Financial Reporting	Illustrations	Loss Reserving	Modeling	Pricing	Ratings	Valuation	Listing on page	Ad on page
*Palisade Corporation																	68	69
@RISK		x	x		x					x			x	x		x		
StatTools		x	x		x					x			x	x		x		
DecisionTools Suite		x	x		x					x			x	x		x		
@RISK for Project		x	x		x					x			x	x		x		
RISKOptimizer		x	x		x					x			x	x		x		
@RISK Developer's Kit		x	x		x					x			x	x		x		
*PolySystems, Inc.																	69	51,C3
Income PayMaster																x		
Delphi Series			x										x					
Asset Delphi		x	x	x	x					x		x	x			x		
Horizon Series					x													
SunGard Insurance Systems																	71	
SunGard COMPASS	x			x		x	x			x								
Watson Wyatt Insurance & Financial Services, Inc.																	71	
Watson Wyatt VIP		x	x					x		x	x		x	x		x		
Watson Wyatt Market-consistent asset model		x	x							x			x	x		x		
*Winklevoss Technologies																	70	53
ProVal	x	x	x	x	x	x			x	x			x			x		
ProAdmin	x					x					x							
ProValPS		x	x			x				x	x		x					
*WySTAR Global Retirement Solutions																	70	70
DBVAL			x			x										x		
DCVAL				x	x		x						x			x		
GRT				x		x	x											
OPEVS			x						x									
PROPERTY/CASUALTY																		
	AD	AN	CF	COM	DM	DB	DC	ET	FAS	FR	ILL	LR	MOD	PR	RT	VAL	LIST	AD
*Classic Solutions																	72	9
MoSes 5													x					
TAS													x					
*Deloitte.																	72	31
Glean		x			x													
Prophet		x	x	x						x			x	x		x		
*Insureware																	72	73
ICRFS-Plus		x										x	x	x				
*Milliman USA																	72	1,3,13
Corporate Affinity®		x	x		x							x	x					
Professional Affinity®		x	x									x	x					
ReservePro®		x	x									x	x					
ReservePro® Enterprise Edition		x	x		x							x	x					
TriangleMaker					x													
*Palisade Corporation																	74	69
@RISK		x	x		x					x			x	x		x		
StatTools		x	x		x					x			x	x		x		
DecisionTools Suite		x	x		x					x			x	x		x		
@RISK for Project		x	x		x					x			x	x		x		
RISKOptimizer		x	x		x					x			x	x		x		
@RISK Developer's Kit		x	x		x					x			x	x		x		
Watson Wyatt Insurance & Financial Services, Inc.																	74	
Watson Wyatt Pretium®		x									x		x	x				

FINANCE REPORTING

TOWERS PERRIN

CLASSIC SOLUTIONS

*Classic Solutions

335 Madison Avenue
New York, NY 10017-4605

PHONE: (904) 398-5661

FAX: (904) 399-8267

E-MAIL: classic_us@cs.com.au

WEBSITE: www.csrmi.com

CONTACT: Gerald Kirschner

Also see ad on page 9

MoSes 5

FUNCTIONS: Modeling

MoSes 5 users can enjoy unmatched modeling flexibility combined with powerful control and audit tools. In addition to allowing users to fully customize TAS models, MoSes modelers also have more than 50 applications at their fingertips. Version 5 enhancements to existing US asset-and-liability specific applications allow MoSes to tackle specialist and groundbreaking modeling assignments such as stochastic-on-stochastic analysis and enterprise risk management.

TAS

FUNCTIONS: Modeling

TAS 10 is the latest version of the popular comprehensive general application for life, health and annuity products. It supports a wide range of common industry products and features. TAS 10 features outstanding troubleshooting and model control tools, superb formula transparency and auditability or results, and unmatched reporting features. Now on the MoSes platform, offering even greater flexibility.

Deloitte.

*Deloitte.

City Place 1, 185 Asylum Street
Hartford, CT 06013

PHONE: (860) 725-3339

FAX: (860) 543-7371

E-MAIL: donpwilson@deloitte.com

WEBSITE: www.prophet-web.com

CONTACT: Don Wilson

Also see ad on page 31

Glean

**FUNCTIONS: Analysis, Data Management/
Warehousing**

Glean is an experience analysis and data mining tool, enabling analysis and interpretation of any experience data (mortality, lapse, retirement, claim, investment, etc.) based on user defined risk factors (age, sex, zip code, reinsurance treaty, etc.). Analyses include actual rates, actual versus expected ratios, and generalized linear modeling.

Prophet

**FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Modeling,
Pricing, Valuation**

Prophet is an integrated suite of asset and liability actuarial modeling systems, providing sophisticated modules for ALM, pricing, and valuation. It includes extensive product libraries, complete U.S. GAAP functionality, a robust stochastic platform, open architecture for custom developers, and flexible reporting. Designed for today's emerging business and financial reporting requirements.

Integrated Actuarial Services

*Integrated Actuarial Services, Inc.

700 West Granada Boulevard
Suite 104

Ormond Beach, FL 32174

PHONE: (386) 673-1919

FAX: (386) 673-3933

E-MAIL: iasacts@cs.com

CONTACT: Brian Kavanagh

Also see ad on page 25

Integrated TOTAL-LIFE™ Actuarial & Administration System

**FUNCTIONS: Administration/Documents,
Analysis, Cash Flow/Projections,
Compliance/Testing, Financial
Reporting, Illustrations, Modeling,
Pricing, Valuation**

TOTAL-LIFE™ Actuarial & Administration System is a PC-based integrated system for policy administration, statutory/tax/GP reserves, GAAP accounting, product pricing, and asset/liability management covering all life, A&H and annuity products. Guaranteed to process all current and future products without any customization charges. Compliance with 7702, all existing and proposed state valuation requirements and Financial Accounting Standards. Modules may be purchased separately or at planned intervals.



*Lewis & Ellis, Inc.

10561 Barkley Street, Suite 470
Overland Park, KS 66212-1860

PHONE: (913) 491-3388

FAX: (913) 642-9777

E-MAIL: GRose@LewisEllis.com

WEBSITE: www.lewisellis.com

CONTACT: Gary Rose

Also see ad on page 57

LEAPPS®

**FUNCTIONS: Analysis, Cash Flow/
Projections, Modeling, Pricing**

LEAPPS® is designed to meet the demands of a changing financial services environment. It is a cost effective solution with a wide array of capabilities ranging from pricing and cash flow testing to appraisals and illustration actuary testing. Products supported include traditional life, universal life, annuities, health and credit insurance.



A MILLIMAN GLOBAL FIRM

Milliman USA

Consultants and Actuaries

*Milliman USA

1301 Fifth Avenue, Suite 3800
Seattle, WA 98101-2605

PHONE: (206) 624-7940

FAX: (206) 340-1380

E-MAIL: brian.reid@milliman.com

WEBSITE: www.milliman.com

CONTACT: Brian S. Reid

Also see ads on pages 1, 3, 13

MG-ALFA

**FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Illustrations,
Modeling, Pricing, Valuation**

The next-generation actuarial projection system from Milliman USA. Supports life, health, annuities, and a full range of asset classes. Capabilities include pricing, projections, GAAP, ALM, and all forms of stochastic analysis. Integrated with DataSynapse's GridServer for scenario-based distributed processing. Advantages include flexibility, speed, auditability, and outstanding support.



*Palisade Corporation

31 Decker Road

Newfield, NY 14867

PHONE: (607) 277-8000

FAX: (607) 277-8001

E-MAIL: sales@palisade.com

WEBSITE: www.palisade.com

CONTACT: Dave Bristol

Also see ad on page 69

@RISK

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation**

@RISK is the risk analysis add-in for Microsoft Excel. Using Monte Carlo simulation, @RISK will tell you not only what could happen in your spreadsheet model, but how likely it is to happen.

2004 DIRECTORY OF ACTUARIAL SOFTWARE

Commonly used by actuaries for loss reserves, pricing, and other modeling in Excel, @RISK can be used with any spreadsheet model.

StatTools

FUNCTIONS: Analysis, Cash Flow/Projections, Data Management/Warehousing, Financial Reporting, Modeling, Pricing, Valuation

The new statistical analysis add-in for Microsoft Excel, StatTools replaces Excel's statistics functions with a new set of robust, accurate functions. Stop exporting your data to perform advanced statistical analysis - now you can work directly in Excel. StatTools includes the most commonly used procedures and lets you create your own customized procedures in Excel's VBA.

DecisionTools Suite

FUNCTIONS: Analysis, Cash Flow/Projections, Data Management/Warehousing, Financial Reporting, Modeling, Pricing, Valuation

The complete risk and decision analysis toolkit, the DecisionTools Suite includes the @RISK, PrecisionTree, TopRank, and RISKOptimizer add-ins to Excel. These tools perform Monte Carlo simulation, decision trees, sensitivity analysis, stress testing, optimization, and more. Used by actuaries for a wide range of applications, from resource allocation to profit projection.

@RISK for Project

FUNCTIONS: Analysis, Cash Flow/Projections, Data Management/Warehousing, Financial Reporting, Modeling, Pricing, Valuation

The risk analysis add-in for Microsoft Project. Take uncertainty into account when examining schedules and costs of your projects. Use Monte Carlo simulation to see what could happen in your project model, and how likely it is to happen. Make contingency plans based on what could happen.

RISKOptimizer

FUNCTIONS: Analysis, Cash Flow/Projections, Data Management/Warehousing, Financial Reporting, Modeling, Pricing, Valuation

For high-speed optimization under uncertainty in Excel. Ideal for complex optimization problems such as resource allocation or pricing decisions. RISKOptimizer tries different solutions and runs Monte Carlo simulations on each one in order to determine the best possible overall solution.

@RISK Developer's Kit

FUNCTIONS: Analysis, Cash Flow/Projections, Data Management/Warehousing, Financial Reporting, Modeling, Pricing, Valuation

Add Monte Carlo simulation to applications outside of Excel. Use the same powerful distribution functions, sensitivity analyses and other features in your own custom applications.

Control the model structure, so that users only input uncertain elements. You can even run your simulations over a web or network server.



POLYSYSTEMS, INC.
DEDICATED TO WORLDWIDE SOLUTIONS

*PolySystems, Inc.

30 N. LaSalle Street
Chicago, IL 60602

PHONE: (312) 332-5670

FAX: (312) 332-2391

E-MAIL: gbusse@polysystems.com or

bkeating@polysystems.com

WEBSITE: www.polysystems.com

CONTACT: Gary Busse or Bob Keating

Also see ads on inside back cover and page 51

Asset Delphi

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Data Management/Warehousing, Financial Reporting, Loss Reserving, Modeling, Valuation

Asset Delphi is a PC based financial projection tool that is used for asset/liability management, corporate planning, cash flow testing, GAAP and Statutory financial simulations. Asset Delphi facilitates the interactions between the projected asset cash flows of a company's investment portfolio and the liability cash flows generated by PolySystems' powerful liability projection software for all lines of business. Asset Delphi is used as a dynamic management tool to utilize the results of the asset/liability interactions and to assist in the business decision process.

*Winklevoss Technologies

500 West Putnam Avenue
Greenwich, CT 06830

PHONE: (203) 861-5530

FAX: (203) 861-5531

E-MAIL: sales@winklevoss.com

WEBSITE: www.winklevoss.com/wintech

CONTACT: Joe Gilbert

Also see ad on page 53



ProVal

FUNCTIONS: Administration/Documents, Analysis, Cash Flow/Projections, Compliance/Testing, Data Management/Warehousing, Defined Benefit, FAS 106, Financial Reporting, Modeling, Valuation

Comprehensive software for valuations and projections of defined benefit and OPEB plans. Handles U.S. qualified, SERP, public, Canadian registered, and other international plans. Flexible design includes data scrubber, comprehensive assumptions, detailed sample lives, gain/loss analysis, funding/accounting exhibits, experience studies & nondiscrimination tests. Stochastic projections include state-of-the-art capital market simulator.



ProValPS

FUNCTIONS: Analysis, Cash Flow/Projections, Defined Benefit, FAS 106, Financial Reporting, Modeling

Graphical DB plan tool kit designed for the plan sponsor or the plan's advisor. Powered by ProVal, ProVal PS offers Financial Sensitivity, Disclosure and Budgeting and Asset Allocation tools. Includes the ability to consider the plan sponsors' goals and observe their affect on investment options from the efficient frontier.



COSS Development Corporation

10600 N. Port Washington Road
Mequon, WI 53092

PHONE: (262) 241-8989

FAX: (262) 241-8999

E-MAIL: info@cosdev.com

WEBSITE: www.cossdev.com

CONTACT: Dennis Raniewicz

iFORMS-Wizard Driven Electronic Forms

FUNCTIONS: Administration/Documents, Electronic Forms

Totally paperless forms completion and submission. Customizable business rules to assure all required forms and fields are complete. State sensitive and fully customizable and maintained by Carrier home office, via COSS development tools. E-signature compatible.

COSS eLearning

FUNCTIONS: Education/Training

Web or Desktop based agent training for Insurance Essentials, Needs Based Selling and Advanced Markets such as Business Continuation, Split Dollar, Executive Bonus and much more. Training modules include interactive self evaluation, case studies and practical application. Continuing education credit available. Both video and audio.

WealthScape

FUNCTIONS: Analysis, Modeling, Wealth Distribution Planning Tool

Planning tool focused on wealth distribution, asset liquidation and maximizing retirement payouts in a tax advantaged environment. WealthScape provides guidelines for shaping retirement distribution planning by comparing and evaluating various payout strategies, tax qualified, tax advantaged, tax deferred or taxable. Evaluates effect of repositioning assets and adjustments to assumptions.

ASSET DELPHI

**Production quality
software and
a flexible
analytic tool.**

For more details, please contact
Bob Keating at bkeating@polysystems.com

Gary Busse at gbusse@polysystems.com

312.332.5670

www.polysystems.com



POLYSYSTEMS, INC.
VALUATION & FINANCIAL REPORTING SOFTWARE

For Unix and Windows™

2004 DIRECTORY OF ACTUARIAL SOFTWARE

Wealth Illustrator**FUNCTIONS:** Illustrations, Modeling, Valuation

Compliant, customizable hypothetical and/or historical illustrations for all forms of fixed and variable Annuities, flexible, single, deferred, immediate. Product configuration functionality, and payout options available. Includes various planning techniques such as portfolio rebalancing, interest sweep, dollar cost averaging. Risk tolerance asset allocation, premium allocation, retirement planning and electronic forms available.



EXPERIENCE. RESULTS.

CSC

200 W. Cesar Chavez
Austin, TX 78701

PHONE: (800) 345-7672

E-MAIL: inforequests@csc.com

WEBSITE: www.csc.com

Visual Product Modeling System (VP/MS)**FUNCTIONS:** Administration/Documents, Analysis, Cash Flow/Projections, Compliance/Testing, Illustrations, Modeling

With CSC's Visual Product Modeling System (VP/MS) business analysts can easily create comparative Internet quotes and illustrations as well as new business, administration and peripheral system calculations. VP/MS drastically reduces time to market and application development and maintenance time by enabling the same models to be ported to virtually any platform. VP/MS is truly an innovative solution that may be integrated with existing technologies or used as a stand alone system.

**GGY Inc.**

5001 Yonge Street, Suite 1300
P.O. Box 172
Toronto, Ontario Canada M2N 6P6

PHONE: (416) 250-6777

FAX: (416) 250-6776

E-MAIL: by@ggy.com

WEBSITE: www.ggy.com

CONTACT: Bill Young

AXIS**FUNCTIONS:** Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

AXIS is different—offering an integrated solution for Pricing, Projection and Valuation of Life,

Disability, Annuity and Living Benefits. AXIS applications include ALM; Surplus, Stochastic and Cash Flow Testing; and Earnings Analysis. AXIS is extremely fast, flexible and easy to learn and use. GGY supports 1000+ users in 80+ companies.

DataLink**FUNCTIONS:** Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

DataLink allows you the flexibility and speed to use seriatim data for all your work, not just valuation. DataLink is a flexible and powerful database tool that allows you to automate the preparation, running, analysis and reporting of seriatim info and transaction data as well as new business.

ScenarioTools**FUNCTIONS:** Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

ScenarioTools allows you to identify, quantify and manage your risks. ScenarioTools is a package of tools within AXIS that generates scenarios for yield curves and/or equity values; analyses the scenarios; and analyses the projected results. The scenario generators include Risk Neutral and Actuarial or Real World models.

**SunGard Insurance Systems**

2000 South Dixie Highway
Miami, FL 33133

PHONE: (800) 337-2677

FAX: (305) 854-6305

E-MAIL: sales@insurance.sungard.com

WEBSITE: www.insurance.sungard.com

CONTACT: COMPASS Sales

SunGard COMPASS**FUNCTIONS:** Administration/Documents, Compliance/Testing, Defined Benefit, Defined Contribution/401(k), Financial Reporting

Global solution for life insurance and financial service enterprises supporting a multiple of diverse product lines including many variations of group/individual life, annuity, dental/health policies in addition to providing support for group/individual investment accounts (pension/wealth management). COMPASS incorporates all necessary automated business functions for comprehensive financial and insurance product administration.

Watson Wyatt Insurance & Financial Services, Inc.

1055 Westlakes Drive,
3rd Floor

Berwyn PA 19312-2410

PHONE: 610-727-3781

FAX: 610-727-4283

E-MAIL: VIP@watsonwyatt.com, suzanne.mcconnel@ifs.watsonwyatt.com

WEBSITE: www.watsonwyatt.com/vip

CONTACT: Suzanne McConnel

**Watson Wyatt VIP****FUNCTIONS:** Analysis, Cash Flow/Projections, Education/Training, Financial Reporting, Illustrations, Modeling, Pricing, Valuation; Other: Embedded Values, Asset & Liability Modeling, Business Planning and Risk Management, Fair Value, GAAP

VIP is a versatile PC-based actuarial modeling, projection and valuation tool that supports life, annuities, and health products developed and supported by Watson Wyatt globally. VIP tools include ALM, GAAP, business planning and more. VIP offers functionality that is extremely fast, flexible, user-friendly and globally adaptive, combined with first-class support.

**Watson Wyatt Market-consistent asset model****FUNCTIONS:** Analysis, Cash Flow/Projections, Financial Reporting, Modeling, Pricing, Valuation

Watson Wyatt Market-consistent asset model is an economic scenario generator based on the Black-Scholes and Merton methodology. The model produces stochastic simulations of future index prices, currency rates and yield curves, as well as the corresponding state price deflators, on a market consistent basis. The economic scenario generator output can be used in VIP, Microsoft Excel or other software packages.



ProVal^{ps}

from Winklevoss Technologies, LLC

What's in the future for your pension plan?

**Lets the corporate executive answer many
"what if" questions, including:**

Disclosure & Budgeting:

- How will the pension disclosure compare to last years?
- What should be budgeted for next year's expense? Contributions?

Financial Sensitivities:

- What will future contributions and expense be?
- What if investment return is poor?
- What if interest rates change?

Asset Allocation:

- What contributions and expenses are expected under the plan's current asset mix?
- What is the potential downside?
- Are there alternative mixes which better meet the plan's goals?

Also from Winklevoss Technologies, LLC

ProVal

From annual valuations to asset liability forecasts, actuaries and non-actuaries alike can get results quickly and easily with the power of ProVal.

Features include:

- Census Database Management
- Contribution and Expense Development
- Pension and OPEB modes
- Actuarial Gain & Loss by Source
- Deterministic & Stochastic Forecasting
- Integrated Graphic Output

ProAdmin

This new pension benefits calculator radically reduces implementation time and expense. Designed for use by plan sponsors, TPA's, outsourcing service providers and actuarial consulting firms.

Features include:

- Unlimited service, salary and benefit components handle the most complex formulas
- Estimate and final calculations
- All forms of benefit payments
- Server calculator component integrates smoothly into an existing infrastructure using an HTTP/XML interface

Joe Gilbert

Winklevoss Technologies, LLC

500 West Putnam Avenue

Greenwich, CT 06830

Voice: 203-861-5530

Fax: 203-861-5531

www.winklevoss.com/wintech

sales@winklevoss.com

GROUP/HEALTH

***Actuarial Resources Corporation**

6720 West 121st Street, Suite 200
Overland Park, KS 66209

PHONE: (913) 451-0044

FAX: (913) 451-1562

E-MAIL: Jim.Lamson@arcval.com

WEBSITE: www.arcval.com

CONTACT: Jim Lamson

Also see ad on page 55

ARCVAL

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Valuation

ARCVAL is a complete PC valuation system with modules available for universal life, traditional life, deferred and immediate annuities, and health insurance products. Statutory, tax, GAAP and minimum reserves are calculated on the fly or from factors. ARCVAL is compliant with Guideline XXX, AG 33, and AG 34. It performs GAAP calculations according to SFAS 60, 97, and 120.

HealthVAL

FUNCTION: Valuation

HealthVAL conducts valuation of disability income, long term care, cancer, and hospital products. Its generalized design values any health product using claim costs. It performs on-the-fly calculations and factor application. Standard claim cost tables are included. HealthVAL fully supports rider reserve calculations. It handles multiple occupation classes, elimination periods, and benefit periods within a single plan code.



CLASSIC SOLUTIONS

***Classic Solutions**

335 Madison Avenue
New York, NY 10017-4605

PHONE: (904) 398-5661

FAX: (904) 399-8267

E-MAIL: classic_us@cs.com.au

WEBSITE: www.csrmi.com

CONTACT: Gerald Kirschner

Also see ad on page 9

MoSes 5

FUNCTION: Modeling

MoSes 5 users can enjoy unmatched modeling flexibility combined with powerful control and audit tools. In addition to allowing users to fully

customize TAS models, MoSes modelers also have more than 50 applications at their fingertips. Version 5 enhancements to existing US asset-and-liability specific applications allow MoSes to tackle specialist and groundbreaking modeling assignments such as stochastic-on-stochastic analysis and enterprise risk management.

TAS

FUNCTIONS: Modeling

TAS 10 is the latest version of the popular comprehensive general application for life, health and annuity products. It supports a wide range of common industry products and features. TAS 10 features outstanding troubleshooting and model control tools, superb formula transparency and auditability of results, and unmatched reporting features. Now on the MoSes platform, offering even greater flexibility.

*** Deloitte.**

City Place 1, 185 Asylum Street
Hartford, CT 06013

PHONE: (860) 725-3339

FAX: (860) 543-7371

E-MAIL: donpwilson@deloitte.com

WEBSITE: www.prophet-web.com

CONTACT: Don Wilson

Also see ad on page 31

Glean

FUNCTIONS: Analysis, Data Management/
Warehousing

Glean is an experience analysis and data mining tool, enabling analysis and interpretation of any experience data (mortality, lapse, retirement, claim, investment, etc.) based on user defined risk factors (age, sex, zip code, reinsurance treaty, etc.). Analyses include actual rates, actual versus expected ratios, and generalized linear modeling.

Prophet

FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Modeling,
Pricing, Valuation

Prophet is an integrated suite of asset and liability actuarial modeling systems, providing sophisticated modules for ALM, pricing, and valuation. It includes extensive product libraries, complete U.S. GAAP functionality, a robust stochastic platform, open architecture for custom developers, and flexible reporting. Designed for today's emerging business and financial reporting requirements.

Integrated Actuarial Services

***Integrated Actuarial Services, Inc.**

700 West Granada Boulevard
Suite 104

Ormond Beach, FL 32174

PHONE: (386) 673-1919

FAX: (386) 673-3933

E-MAIL: iasacts@cs.com

CONTACT: Brian Kavanagh

Also see ad on page 25

Integrated TOTAL-LIFE™ Actuarial & Administration System

FUNCTIONS: Administration/Documents,
Analysis, Cash Flow/Projections,
Compliance/Testing, Financial/
Reporting, Illustrations, Modeling,
Pricing, Valuation

TOTAL-LIFE™ Actuarial & Administration System is a PC-based integrated system for policy administration, statutory/tax/GP reserves, GAAP accounting, product pricing, and asset/liability management covering all life, A&H, and annuity products. Guaranteed to process all current and future products without any customization charges. Compliance with 7702, all existing and proposed state valuation requirements and Financial Accounting Standards. Modules may be purchased separately or at planned intervals.

***KSI Systems, Inc.**

4488 Village Springs Place
Atlanta, GA 30338

PHONE: (800) 574-7976

FAX: (678) 587-0014

E-MAIL: steven.strasberg@ksisystems.com

CONTACT: Steven Strasberg

Also see ad on page 56

StepWise Automated Rating System

FUNCTIONS: Analysis, Modeling, Pricing,
Ratings

StepWise is an automated underwriting and rating system for health plans. Designed with flexibility to quickly implement any plan's rating methods and factors. Includes a suite of related applications to support batch/block rating, management reporting, and system configuration. StepWise links with your existing systems to automate quoting and renewal processes. Contact us for a brochure or Web demonstration.

A new STAR will lead the way.

ARCVAL is a single integrated system for valuation, financial reporting, financial forecasting and earnings analysis for universal life, annuity, traditional life and health business. When you need fast, accurate figures, you can rely on the ARCVAL Financial Reporting and Analysis System.

- CARVM
- TL-Flyer
- ULtraVAL
- GAAP UL/DA/Par
- HealthVAL
- Structures
- Financial Forecaster
- Earnings Analyzer
- GAAP History Builder
- Experience Analyzer
- ARCBASE



ACTUARIAL RESOURCES
CORPORATION
CONSULTING • SOFTWARE

6720 W. 121st Street, Suite 200 • Overland Park, KS 66209

Voice (913) 451-0044 • Fax (913) 451-1562

Email Jim.Lamson@arcval.com or Chris.PEEK@arcval.com

www.arcval.com

2004 DIRECTORY OF ACTUARIAL SOFTWARE

***Lewis & Ellis, Inc.**

10561 Barkley Street, Suite 470
Overland Park, KS 66212-1860

PHONE: (913) 491-3388

FAX: (913) 642-9777

E-MAIL: thandley@lewisellis.com

WEBSITE: www.lewisellis.com

CONTACT: Tom Handley

Also see ad on page 57

Lewis & Ellis Health Care Model

FUNCTIONS: Analysis, Modeling, Pricing

This PC-based Excel application is an interactive health care pricing and modeling tool that can be used for group rating, new product and benefit rating and as benchmarks for experience analysis. It provides ranges of utilization and reimbursement values by area and product to enhance pricing decisions.

***Lewis & Ellis, Inc.**

10561 Barkley Street, Suite 470
Overland Park, KS 66212-1860

PHONE: (913) 491-3388

FAX: (913) 642-9777

E-MAIL: GRose@LewisEllis.com

WEBSITE: www.lewisellis.com

CONTACT: Gary Rose

Also see ad on page 57

LEAPPS®

FUNCTIONS: Analysis, Cash Flow/Projections, Modeling, Pricing

LEAPPS® is designed to meet the demands of a changing financial services environment. It is a cost effective solution with a wide array of capabilities ranging from pricing and cash flow testing to appraisals and illustration actuary testing. Products supported include traditional life, universal life, annuities, health and credit insurance.

IBSEN Life

FUNCTIONS: Administration/Documents, Analysis, Financial Reporting, Valuation

IBSEN Life is a flexible and modern administration system which provides for the management of traditional and universal life/unit linked insurance products. Based on the IBSEN (Insurance Business Engines) concept each component supports a specific task of the insurer, from product design to policy management.

AKS

FUNCTIONS: Financial Reporting, Valuation

AKS (Actuarial Knowledge System) offers an effective solution to compose and calculate actuarial formulas for life and disability insurance. Actuarial factors utilizing internationally standardized actuarial symbols can be calculated. AKS has been developed as a component, based on the IBSEN-concept.

HEALTH PLANS:
Streamline your rating and underwriting...

StepWise™ Automated Rating System

Comprehensive & Fully Featured

- Handles prospects and renewals, large and small groups.
- Automate renewal data download, batch rating, and reporting.
- Designed for fast implementation; actuaries & underwriters maintain formulas, factors, print exhibits, etc.

Use YOUR Rating Methodology

- Flexible architecture adapts to your formulas and factors instead of limiting you to a pre-defined approach.
- Designed to handle extremely complex credibility-blended experience rating formulas.

Integrate with Your Existing Systems

- Directly link to your experience databases and XML information sources.
- Link to your production system to automatically upload final rates and benefits.

Contact us today for a brochure or interactive web demonstration
(800) 574-7976
www.ksisystems.com

***Lynchval Systems Worldwide Inc.**

14000 Thunderbolt Place, Suite R
Chantilly, VA 20151

PHONE: (703) 709-1000

FAX: (703) 709-8704

E-MAIL: sales@lynchval.com

WEBSITE: www.lynchval.com

CONTACT: Barton Fleming, EA, FSA, MAAA

Also see ad on page 18

LVmed

FUNCTIONS: Analysis, Cash Flow/Projections, Data Management/Warehousing, FAS 106, Valuation

Retiree medical valuation software for full compliance with FAS 106, NAIC, FAS 112, and SOP 92-6 (as regards post-employment defined benefit health and life insurance). Permits wide range of assumptions, and features include automatic sensitivity testing of claims and other medical care factors, and 120-year open/closed-group forecasts. Windows interface includes data handling and validation features and actuarial tools.

***Milliman USA**

1301 Fifth Avenue, Suite 3800
Seattle, WA 98101-2605

PHONE: (206) 624-7940

FAX: (206) 340-1380

E-MAIL: brian.reid@milliman.com



Building Relationships. Building Success.

Building relationships in every corner of the industry. Quality consultants who understand your current challenges. Responsive to your needs. Committed to finding creative solutions. L&E provides innovative software and actuarial services to meet the diverse needs of insurance professionals coast-to-coast. You can rely on our solid foundation of unrivaled experience and credentials. **Helping you achieve success.**



Kansas City ♦ Dallas ♦ Philadelphia
www.LewisEllis.com

2004 DIRECTORY OF ACTUARIAL SOFTWARE

WEBSITE: www.milliman.com

CONTACT: Brian S. Reid

Also see ads on pages 1, 3, 13

MG-ALFA

FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Illustrations,
Modeling, Pricing, Valuation

The next-generation actuarial projection system from Milliman USA. Supports life, health, annuities, and a full range of asset classes. Capabilities include pricing, projections, GAAP, ALM, and all forms of stochastic analysis. Integrated with DataSynapse's GridServer for scenario-based distributed processing. Advantages include flexibility, speed, auditability, and outstanding support.

A MILLIMAN GLOBAL FIRM



Milliman USA
Consultants and Actuaries

*Milliman USA

1301 Fifth Avenue, Suite 3800
Seattle, WA 98101

PHONE: (860) 687-0170

FAX: (860) 687-4890

E-MAIL: mark.mahany@milliman.com

WEBSITE: www.milliman.com/mg-triton

CONTACT: Mark S. Mahany

Also see ads on pages 1, 3, 13

MG-Triton Health

FUNCTIONS: Analysis, Cash Flow/
Projections, Financial Reporting,
Valuation

MG-Triton Health Valuation System calculates statutory, tax, and GAAP reserves (benefit reserves and deferred acquisition cost assets) for base contracts and riders for Long Term Care, Disability Income (Individual and Group), and Medicare Supplement products. Calculates active life and claim reserves from first-principle and factor methods. Statutory, Tax, and GAAP enforce projection model. Microsoft Windows application written in C and C++.



*Palisade Corporation

31 Decker Road
Newfield, NY 14867

PHONE: (607) 277-8000

FAX: (607) 277-8001

E-MAIL: sales@palisade.com

WEBSITE: www.palisade.com

CONTACT: Dave Bristol

Also see ad on page 69

@RISK

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

@RISK is the risk analysis add-in for Microsoft

Excel. Using Monte Carlo simulation, @RISK will tell you not only what could happen in your spreadsheet model, but how likely it is to happen. Commonly used by actuaries for loss reserves, pricing, and other modeling in Excel, @RISK can be used with any spreadsheet model.

StatTools

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The new statistical analysis add-in for Microsoft Excel, StatTools replaces Excel's statistics functions with a new set of robust, accurate functions. Stop exporting your data to perform advanced statistical analysis—now you can work directly in Excel. StatTools includes the most commonly used procedures and lets you create your own customized procedures in Excel's VBA.

DecisionTools Suite

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The complete risk and decision analysis toolkit, the DecisionTools Suite includes the @RISK, PrecisionTree, TopRank, and RISKOptimizer add-ins to Excel. These tools perform Monte Carlo simulation, decision trees, sensitivity analysis, stress testing, optimization, and more. Used by actuaries for a wide range of applications, from resource allocation to profit projection.

@RISK for Project

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The risk analysis add-in for Microsoft Project. Take uncertainty into account when examining schedules and costs of your projects. Use Monte Carlo simulation to see what could happen in your project model, and how likely it is to happen. Make contingency plans based on what could happen.

RISKOptimizer

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

For high-speed optimization under uncertainty in Excel. Ideal for complex optimization problems such as resource allocation or pricing decisions. RISKOptimizer tries different solutions and runs Monte Carlo simulations on each one in order to determine the best possible overall solution.

@RISK Developer's Kit

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

Add Monte Carlo simulation to applications

outside of Excel. Use the same powerful distribution functions, sensitivity analyses and other features in your own custom applications. Control the model structure, so that users only input uncertain elements. You can even run your simulations over a web or network server.



*PolySystems, Inc.

30 N. LaSalle Street
Chicago, IL 60602

PHONE: (312) 332-5670

FAX: (312) 332-2391

E-MAIL: gbusse@polysystems.com or
bkeating@polysystems.com

WEBSITE: www.polysystems.com

CONTACT: Gary Busse or Bob Keating

Also see ads on inside back cover and page 51

HealthMaster

FUNCTION: Valuation

HealthMaster is a PC-based first principle statutory, tax and GAAP valuation system for health insurance coverages, including disability income, cancer, LTC, hospital indemnity, major medical, Medicare supplement, etc. Special features include prospective reserving for changes in policies, return of premium benefits, LTC nonforfeiture options, and the ability to compute multiple reserve bases.

Delphi Series

FUNCTION: Modeling

Delphi Series is a forecasting system that produces statutory, GAAP and tax income statements, balance sheets and analytical reports. This PC-based system may be combined with any of the Master series of valuation systems to project balance sheet and income statement data on a statutory, GAAP and tax effected basis. Special features include direct handshake with valuation and policy description and a new business model. The system runs on Windows 2000/NT/XP, and UNIX, and allows the user to examine the affect of reserve options on existing or new business.

Asset Delphi

FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing, Data
Management/Warehousing, Financial
Reporting, Loss Reserving, Modeling,
Valuation

Asset Delphi is a PC based financial projection tool that is used for asset/liability management, corporate planning, cash flow testing, GAAP and Statutory financial simulations. Asset Delphi facilitates the interactions between the projected asset cash flows of a company's investment portfolio and the liability cash flows generated by PolySystems' powerful liability projection software for all lines of business. Asset Delphi is used as a dynamic management tool to utilize

the results of the asset/liability interactions and to assist in the business decision process.

Horizon Series

FUNCTION: Data Management/Warehousing

Horizon systems collect monthly policy transactions and summarize results into income statements and balance sheets. The Horizon Series tracks policy financial information such as premiums, benefit commissions, reserve increases, expenses, terminations, and reinsurance payments to build accurate monthly historical profits by plan and year of issue. The PC based system interfaces with the company's administrative system to create its data. Policy data can be rolled up into summarized history files. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

Measure

FUNCTION: Analysis

Measure works with Horizon series by line of business to produce traditional actuarial experience studies of lapse, mortality, morbidity, and premium persistency probabilities. Multiple breakdowns are permitted. The system computes A/E ratio and A/E standard deviations on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

Reden & Anders, Ltd.

An **INGENIX** Company

*Reden & Anders, Ltd.

222 South Ninth Street, Suite 1500
Minneapolis, MN 55402

PHONE: (800) 643-7933

FAX: (612) 349-3788

E-MAIL: info@reden-anders.com

WEBSITE: www.reden-anders.com

CONTACT: Timothy Feeser, FSA, MAAA

Also see ad on this page

Reden & Anders Actuarial Toolbox™

FUNCTIONS: Analysis, Modeling, Pricing, Ratings

Reden & Anders Actuarial Toolbox™ features a wealth of actuarial tools, used by actuaries to support the financial, underwriting, medical management and contracting departments of health care organizations. Reden & Anders research department annually updates the tools using our extensive health care claims database. Several tools are described below.

Reden & Anders Electronic Medical Underwriting Manual

FUNCTION: Ratings

Reden & Anders Electronic Medical Underwriting Manual quickly and accurately medically underwrites small group health insurance. Results are rate loads and a reporting database. This user-friendly, Microsoft Excel-based tool includes 2,000 conditions developed by clinicians, actuaries and underwriters.

Reden & Anders Excess of Loss Rating Models

FUNCTIONS: Modeling, Pricing, Ratings

Reden & Anders Excess of Loss Rating Models are user-friendly, Microsoft Excel-based tools for rating provider excess and HMO reinsurance coverages for commercial, Medicare and Medicaid TANF populations. These models feature separate modules for rating hospital, professional and global coverages.

Reden & Anders Effective Per Diem Model

Reden & Anders Effective Per Diem model is a powerful tool that can quantify changes to reimbursement terms for inpatient facility services. This user-friendly, Microsoft Access-based tool facilitates the analysis of a wide array of contract types, using either model default claims distributions or user specific data.

Reden & Anders Comprehensive Commercial Medical Expense Pricing Model

Reden & Anders Comprehensive Commercial Medical Expense Pricing Model generates medical expense and premium levels for various contract tier options for HMO, POS, indemnity or hybrid health insurance benefit designs. This user-friendly, Microsoft Excel-based model provides the ultimate flexibility for pricing complex health insurance products.

Reden & Anders Consumer-Driven Pricing Model

Reden & Anders Consumer-Driven Pricing Model helps you evaluate the design and implementation of a Healthcare Reimbursement Arrangement (HRA) product. This user-friendly, Microsoft Excel-based model helps you evaluate of the short and long-term cost impact of various HRA benefit characteristics.

Reden & Anders Physician Specialty Medical Expense Models

Reden & Anders Physician Specialty Medical Expense Models provide utilization, average RVU and unit cost detail by defined medical expense categories in the build-up to a PMPM medical expense. This user-friendly, Microsoft Excel-based tool facilitates physician specialty utilization and PMPM cost benchmarking.

Reden & Anders Prescription Drug Pricing Model

Reden & Anders Prescription Drug Pricing Model allows you to define cost sharing, discounts and demographics in developing PMPM expense estimates for prescription drugs. This user-friendly, Microsoft Access-based model provides PMPM and utilization breakdowns between brand/generic and formulary/non-formulary prescriptions after re-adjudicating claims based on benefit design specifications.



Reden & Anders provides more than just the numbers. We provide the power to make the right decisions.

Reden & Anders is a national actuarial, clinical and management consulting firm specializing in financial and business decision support for the health care industry. We provide the tools and analytics to support informed decision making. We assist health care payers, health care insurers, managed care organizations, provider organizations, disease management companies, employers, employer coalitions, pharmaceutical companies and device manufacturers in a variety of projects tailored to their needs.

We have longstanding relationships with many of our clients and have built a reputation for credibility, creativity and outstanding service.

For more information about the Reden & Anders Actuarial Toolbox™, other powerful tools, data and consulting solutions designed to maximize your operational objectives, visit us on-line at www.reden-anders.com or call us toll-free at 1-800-765-6706.

Atlanta • Chicago • Denver • Minneapolis • New York • San Francisco

2004 DIRECTORY OF ACTUARIAL SOFTWARE

Reden & Anders Physician Fee Model

Reden & Anders Physician Fee Model is a powerful tool that can quantify changes to physician reimbursement schedules by specialty. This user-friendly Microsoft Access-based tool facilitates the comparative analysis of physician fee schedules relative to each other and the Medicare baseline under default or user specific frequency data.

***Winklevoss Technologies**

500 West Putnam Avenue
Greenwich, CT 06830

PHONE: (203) 861-5530

FAX: (203) 861-5531

E-MAIL: sales@winklevoss.com

WEBSITE: www.winklevoss.com/wintech

CONTACT: Joe Gilbert

Also see ad on page 53

ProVal

FUNCTIONS: Administration/Documents, Analysis, Cash Flow/Projections, Compliance/Testing, Data Management/Warehousing, Defined Benefit, FAS 106, Financial Reporting, Modeling, Valuation

Comprehensive software for valuations and projections of defined benefit and OPEB plans. Handles U.S. qualified, SERP, public, Canadian registered, and other international plans. Flexible design includes data scrubber, comprehensive assumptions, detailed sample lives, gain/loss analysis, funding/accounting exhibits, experience studies & nondiscrimination tests. Stochastic projections include state-of-the-art capital market simulator.

Genelco Software Solutions
A Division of Liberty Insurance Services Corporation

**Genelco Software Solutions**

9735 Landmark Parkway Drive
St. Louis, MO 63127

PHONE: (800) 983-8114

FAX: (314) 467-8900

E-MAIL: info@genelco.com

WEBSITE: www.genelco.com

CONTACT: Sales Support

Genelco Group+

FUNCTION: Administration/Documents

Genelco Group+, one of the world's most recognized and reputable systems for administering individual health and group insurance plans, consists of several components, Genelco Claims+, Genelco Administration+ and Genelco GroupWeb. These systems may be used in a standalone environment or integrated seamlessly. Genelco Group+ provides unparalleled functionality and flexibility and is HIPAA transaction-enabled.

**GGY Inc.**

5001 Yonge Street, Suite 1300, P.O. Box 172

Toronto, Ontario Canada M2N 6P6

PHONE: (416) 250-6777

FAX: (416) 250-6776

E-MAIL: by@ggy.com

WEBSITE: www.ggy.com

CONTACT: Bill Young

AXIS

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

AXIS is different—offering an integrated solution for Pricing, Projection and Valuation of Life, Disability, Annuity and Living Benefits. AXIS applications include ALM; Surplus, Stochastic and Cash Flow Testing; and Earnings Analysis. AXIS is extremely fast, flexible and easy to learn and use. GGY supports 1000+ users in 80+ companies.

DataLink

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

DataLink allows you the flexibility and speed to use seriatim data for all your work, not just valuation. DataLink is a flexible and powerful database tool that allows you to automate the preparation, running, analysis and reporting of seriatim info and transaction data as well as new business.

ScenarioTools

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

ScenarioTools allows you to identify, quantify and manage your risks. ScenarioTools is a package of tools within AXIS that generates scenarios for yield curves and/or equity values; analyses the scenarios; and analyses the projected results. The scenario generators include Risk Neutral and Actuarial or Real World models.

SUNGARD

INSURANCE SYSTEMS

SunGard Insurance Systems

2000 South Dixie Highway
Miami, FL 33133

PHONE: (800) 337-2677

FAX: (305) 854-6305

E-MAIL: sales@insurance.sungard.com

WEBSITE: www.insurance.sungard.com

CONTACT: COMPASS Sales

SunGard COMPASS

FUNCTIONS: Administration/Documents, Compliance/Testing, Defined Benefit, Defined Contribution/401(k), Financial Reporting

Global solution for life insurance and financial service enterprises supporting a multiple of diverse product lines including many variations of group/individual life, annuity, dental/health policies in addition to providing support for group/individual investment accounts (pension/wealth management). COMPASS incorporates all necessary automated business functions for comprehensive financial and insurance product administration.

Watson Wyatt Insurance & Financial Services, Inc.

1055 Westlakes Drive, 3rd Floor
Berwyn PA 19312-2410

PHONE: 610-727-3781

FAX: 610-727-4283

E-MAIL: VIP@watsonwyatt.com

WEBSITE: www.watsonwyatt.com/vip

CONTACT: Suzanne McConnel

**Watson Wyatt VIP**

FUNCTIONS: Analysis, Cash Flow/Projections, Education/Training, Financial Reporting, Illustrations, Modeling, Pricing, Valuation; Other: Embedded Values, Asset & Liability Modeling, Business Planning and Risk Management, Fair Value, GAAP

VIP is a versatile PC-based actuarial modeling, projection and valuation tool that supports life, annuities, and health products developed and supported by Watson Wyatt globally. VIP tools include ALM, GAAP, business planning and more. VIP offers functionality that is extremely fast, flexible, user-friendly and globally adaptive, combined with first-class support.

LIFE/ANNUITIES



***Actuarial Resources Corporation**

6720 West 121st Street, Suite 200
Overland Park, KS 66209

PHONE: (913) 451-0044

FAX: (913) 451-1562

E-MAIL: Jim.Lamson@arcval.com

WEBSITE: www.arcval.com

CONTACT: Jim Lamson

Also see ad on page 55

ARCVAL

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Valuation

ARCVAL is a complete PC valuation system with modules available for universal life, traditional life, deferred and immediate annuities, and health insurance products. Statutory, tax, GAAP and minimum reserves are calculated on the fly or from factors. ARCVAL is compliant with Guideline XXX, AG 33, and AG 34. It performs GAAP calculations according to SFAS 60, 97, and 120.

Experience Analyzer—Lite

FUNCTION: Analysis

Mortality, Lapse and Partial Lapse studies on Traditional Life and Universal Life business. EA-Lite integrates with the TL-Flyer and UltraVAL modules of the ARCVAL system to easily produce persistency studies from your inforce data and an optional claims file.

ARCBase

FUNCTIONS: Analysis, Data Management/
Warehousing

ARCBase utilizes a Microsoft SQL-Server(r) relational database to retain policy-level data on active and terminated policies with each financial reporting cycle. It features data analysis capabilities using on-line analytical processing (OLAP) that permits data summaries to be designed and changed in a real-time environment. ARCBase operates in conjunction with Experience Analyzer, Earnings Analyzer, Financial Forecaster and GAAP History Builder.

CARVM

FUNCTION: Valuation

CARVM performs valuation of deferred and immediate annuities. It handles fixed and variable products, bailouts, partial withdrawals, issue-year and change-in-fund methods, numerous surrender charge options, and new money interest crediting. CARVM is in compliance with Actuarial Guidelines 33, 34, and 35, including calculation of annuitization and non-elective benefit present values and MDBG reserves.

Dividend Designer

FUNCTION: Dividend Calculations

Dividend Designer is used to design dividend scales for traditional life products. It supports both three factor and experience premium formulas. Dividends may vary by policy size, gender, risk class, premium paying status and issue date. Dividend factors can be used within the TL-Flyer system to calculate dividend liabilities or in FAS60 reserves. Output is available in a form so factors can be imported into administrative systems.

GAAP

FUNCTIONS: Cash Flow/Projections,
Financial Reporting, Modeling,
Valuation

GAAP creates and manages DAC amortization schedules according to SFAS 97 and 120. It works with unearned revenue reserves and includes a history database of actual or reconstructed financial results. It performs full and partial unlocking of assumptions and short- and long-term financial projections. Gross premium reserve is calculated for GAAP recoverability and loss recognition testing.

Earnings Analyzer

FUNCTIONS: Analysis, Cash Flow/
Projections

Earnings Analyzer is a powerful analysis tool that utilizes policy-level projected and/or actual earnings stored in the ARCBase database. Some of its capabilities are comparison of actual earnings from one period to another and comparison of actual earnings to forecast earnings. Earnings can be analyzed by characteristics such as line of business, distribution system, agency code and more.

Experience Analyzer

FUNCTIONS: Analysis, Financial Reporting

The Experience Analyzer system produces custom mortality and lapse studies and policy exhibits. Financial reports, such as for reserves released, can also be created. EA stores extensive policy history, claims, and policy exhibit transaction information and has powerful data analysis capabilities featuring an Online Analytic Processor (OLAP). Data is maintained in a powerful client-server database. In-force policy

data can be read from files produced by the ARCVAL system or from independent sources.

Financial Forecaster

FUNCTIONS: Analysis, Cash Flow/
Projections, Modeling

Financial Forecaster is a financial planning tool that can be used to project GAAP income for inforce and assumed new business using models or on a seriatim basis eliminating the need for building and validation of models. Multiple what-if scenarios and sensitivity tests can be stored in ARCBase and compared to actual earnings using GAAP Earnings Analyzer.

GAAP History Builder

FUNCTIONS: Analysis, Cash Flow/
Projections, Modeling, Valuation

GAAP History Builder uses policy-level detailed transactions stored in ARCBase to create and summarize historical gross margins for use in DAC amortization. It can be used to allocate actual investment income, actual expenses and commissions to each policy. GHB can also adjust the transactional data totals to match actual values in the financial statements.

Structures

FUNCTION: Valuation

Structures calculates statutory, tax and GAAP reserves for structured settlement contracts. Both the 115% seriatim and 110% aggregate tests are supported. Flexible input for payment stream information is supported for individual contracts. Mortality assumptions can vary by contract. Output includes reserves by interest rate and a summary file of projected cash flows.

TL-Flyer

FUNCTION: Valuation

TL-Flyer performs reserve calculations for traditional life and term on the fly or from factors. It handles non-level death benefits and premiums; ETI and RPU; supplemental benefits and riders; due, deferred, and advance premium calculations; and compliance with Guideline XXX. It supports GAAP calculations according to SFAS 60.

UltraVAL

FUNCTION: Valuation

UltraVAL calculates flexible and fixed premium universal life reserves according to the UL model regulation. It handles specified amount increases and decreases, guarantees of current interest and COI, Guideline XXX, Guideline AXXX, MDBG reserves for VUL, rider reserves, and policyholder bonuses. It features fast calculation without using approximations.

AdminServer

*AdminServer

2501 Seaport Drive, Ste 500
Chester, PA 19013

PHONE: (972) 715-2028

FAX: (877) 681-1943

E-MAIL: ricy@adminserver.com

WEBSITE: www.adminserver.com

CONTACT: Ric Young

Also see ad on page 11

AdminLife & Annuity

FUNCTIONS: Administration/Documents, Compliance/Testing, Defined Contribution/401(k), Financial Reporting, Valuation; Other: In-Force Illustrations

AdminServer is the first vendor providing a true software package that administers all LOBs, and implementation is accomplished without the traditional systems modifications costs. This breakthrough software package includes integrated illustration and document print engines. Available on both Microsoft .NET and IBM J2EE platforms, and as an ASP offering.

Aon

Consulting

*Aon Consulting

10 Tower Lane
Avon CT 06001

PHONE: (860) 773-6253

E-MAIL: doug_george@aoncons.com

CONTACT: Doug George

Also see ad on page 17

IRC Section 7702/7702A Compliance Software

FUNCTIONS: Compliance/Testing

The software performs Internal Revenue Code Section 7702 & 7702A Compliance Testing (one-time) for life insurance contracts and policies for purposes such as MEC remediation, internal systems testing and determining contract failures.

Actuarial Software Model Conversion Utility

FUNCTION: Modeling

The Software assists in converting actuarial models between TAS™, PTS™, MoSes™, and AXIS™

TOWERS PERRIN

CLASSIC SOLUTIONS

*Classic Solutions

335 Madison Avenue
New York, NY 10017-4605

PHONE: (904) 398-5661

FAX: (904) 399-8267

E-MAIL: classic_us@cs.com.au

WEBSITE: www.csrmi.com

CONTACT: Gerald Kirschner

Also see ad on page 9

MoSes 5

FUNCTIONS: Modeling

MoSes 5 users can enjoy unmatched modeling flexibility combined with powerful control and audit tools. In addition to allowing users to fully customize TAS models, MoSes modelers also have more than 50 applications at their fingertips. Version 5 enhancements to existing US asset-and-liability specific applications allow MoSes to tackle specialist and groundbreaking modeling assignments such as stochastic-on-stochastic analysis and enterprise risk management.

TAS

FUNCTION: Modeling

TAS 10 is the latest version of the popular comprehensive general application for life, health and annuity products. It supports a wide range of common industry products and features. TAS 10 features outstanding troubleshooting and model control tools, superb formula transparency and auditability or results, and unmatched reporting features. Now on the MoSes platform, offering even greater flexibility.

Deloitte

*Deloitte

City Place 1, 185 Asylum Street
Hartford, CT 06013

PHONE: (860) 725-3339

FAX: (860) 543-7371

E-MAIL: donpwilson@deloitte.com

WEBSITE: www.prophet-web.com

CONTACT: Don Wilson

Also see ad on page 31

Glean

FUNCTIONS: Analysis, Data Management/Warehousing

Glean is an experience analysis and data mining tool, enabling analysis and interpretation of any experience data (mortality, lapse, retirement, claim, investment, etc.) based on user defined risk factors (age, sex, zip code, reinsurance treaty, etc.). Analyses include actual rates, actual versus expected ratios, and generalized linear modeling.

Prophet

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation

Prophet is an integrated suite of asset and liability actuarial modeling systems, providing sophisticated modules for ALM, pricing, and valuation. It includes extensive product libraries, complete U.S. GAAP functionality, a robust stochastic platform, open architecture for custom developers, and flexible reporting. Designed for today's emerging business and financial reporting requirements.

Integrated Actuarial Services

*Integrated Actuarial Services, Inc.

700 West Granada Boulevard
Suite 104

Ormond Beach, FL 32174

PHONE: (386) 673-1919

FAX: (386) 673-3933

E-MAIL: iasacts@cs.com

CONTACT: Brian Kavanagh

Also see ad on page 25

Integrated TOTAL-LIFE™ Actuarial & Administration System

FUNCTIONS: Administration/Documents, Analysis, Cash Flow/Projections, Compliance/Testing, Financial/Reporting, Illustrations, Modeling, Pricing, Valuation

TOTAL-LIFE(tm) Actuarial & Administration System is a PC-based integrated system for policy administration, statutory/tax/GP reserves, GAAP accounting, product pricing, and asset/liability management covering all life, A&H, and annuity products. Guaranteed to process all current and future products without any customization charges. Compliance with 7702, all existing and proposed state valuation requirements and Financial Accounting Standards. Modules may be purchased separately or at planned intervals.



***Lewis & Ellis, Inc.**

10561 Barkley Street, Suite 470
Overland Park, KS 66212-1860

PHONE: (913) 491-3388

FAX: (913) 642-9777

E-MAIL: GRose@LewisEllis.com

WEBSITE: www.lewisellis.com

CONTACT: Gary Rose

Also see ad on page 57

LEAPPS®

**FUNCTIONS: Analysis, Cash Flow/
Projections, Modeling, Pricing**

LEAPPS® is designed to meet the demands of a changing financial services environment. It is a cost effective solution with a wide array of capabilities ranging from pricing and cash flow testing to appraisals and illustration actuary testing. Products supported include traditional life, universal life, annuities, health and credit insurance.

LE*XTRAS™

**FUNCTIONS: Financial Reporting,
Valuation**

LE*XTRAS™ is a Windows-based proprietary software system that generates tables of cash value and statutory/tax reserve factors for traditional life plans. A wide range of reserve methodologies is supported including Regulation XXX and 2001 CSO. A full featured statutory and tax valuation component is also available.

LE*XPOSURE™

**FUNCTIONS: Analysis, Financial Reporting,
Valuation**

LE*XPOSURE™ is a powerful exposure study and Monte Carlo simulation system for traditional life insurance. Terminations can be studied by plan group, plan, attained age, or policy year. Monte Carlo simulations can be used to support the actuarial opinion and report dealing with the appropriateness of X factors under Regulation XXX.

LE*DIS™

**FUNCTIONS: Analysis, Financial Reporting,
Valuation**

LE*DIS™ is a Windows-based disabled lives valuation system. It was designed to reserve for disabled life policies under waiver of premium provisions. Policy information is maintained in a database where reserves may be generated by the system or summarized for financial reporting purposes.

IBSEN Life

**FUNCTIONS: Administration/Documents,
Analysis, Financial Reporting,
Valuation**

IBSEN Life is a flexible and modern administration system which provides for the management of

traditional and universal life/unit linked insurance products. Based on the IBSEN (Insurance Business Engines) concept each component supports a specific task of the insurer, from product design to policy management.

AKS

**FUNCTIONS: Financial Reporting,
Valuation**

AKS (Actuarial Knowledge System) offers an effective solution to compose and calculate actuarial formulas for life and disability insurance. Actuarial factors utilizing internationally standardized actuarial symbols can be calculated. AKS has been developed as a component, based on the IBSEN-concept.



***Lewis & Ellis, Inc.**

10561 Barkley Street, Suite 470
Overland Park, KS 66212-1860

PHONE: (913) 491-3388

FAX: (913) 642-9777

E-MAIL: dbatchelder@lewisellis.com

WEBSITE: www.lewisellis.com

CONTACT: Dave Batchelder

Also see ad on page 57

e-Insurance Desk

FUNCTION: Illustrations

e-Insurance Desk is an Internet system which can provide both new business and in-force illustrations for all types of life insurance, annuity, and long term care products. System shares back-end components with Insurance Desk desktop system. Compliant with ACORD XMLife standard.

Insurance Desk

FUNCTION: Illustrations

Insurance Desk is a Windows-based system which provides sales illustrations for all types of life insurance, annuity, and long term care products. Significant features include Fact Finder, Needs Analysis, support for straight-thru-processing (when combined with electronic forms solution), and Internet Updates.

In-Force Illustration System

FUNCTION: Illustrations

This Windows-based system provides illustrations for in-force interest sensitive life products. Supports manual input of policy history. Utilizes complete policy history up through evaluation date as basis for illustration of future policy values, including application of I.R.S. premium limits.



A MILLIMAN GLOBAL FIRM

Milliman USA

Consultants and Actuaries

***Milliman USA**

1301 Fifth Avenue, Suite 3800
Seattle, WA 98101-2605

PHONE: (206) 624-7940

FAX: (206) 340-1380

E-MAIL: brian.reid@milliman.com

WEBSITE: www.milliman.com

CONTACT: Brian S. Reid

Also see ads on pages 1, 3, 13

MG-ALFA

**FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Illustrations,
Modeling, Pricing, Valuation**

The next-generation actuarial projection system from Milliman USA. Supports life, health, annuities, and a full range of asset classes. Capabilities include pricing, projections, GAAP, ALM, and all forms of stochastic analysis. Integrated with DataSynapse's GridServer for scenario-based distributed processing. Advantages include flexibility, speed, auditability, and outstanding support.



A MILLIMAN GLOBAL FIRM

Milliman USA

Consultants and Actuaries

***Milliman USA**

1301 Fifth Avenue, Suite 3800
Seattle, WA 98101-2605

PHONE: (860) 687-0170

FAX: (860) 687-4890

E-MAIL: mark.mahany@milliman.com

WEBSITE: www.milliman.com/mg-triton

CONTACT: Mark S. Mahany

Also see ads on pages 1, 3, 13

MG-Triton Traditional Life

**FUNCTIONS: Analysis, Cash Flow/
Projections, Financial Reporting,
Valuation**

MG-Triton Traditional Life Valuation System calculates statutory (including Model Regulation #830), tax, deficiency, Canadian Actuarial Standards, and GAAP reserves (benefit reserves, deferred acquisition cost assets, unearned revenue liabilities, and terminal dividend liabilities for FAS 60, 97, 113, 115 and 120) for Traditional (Term, Whole Life and Pre-Need, participating and non-participating) base contracts and riders. First-principle and factor methods are supported. Statutory, tax and GAAP inforce projection model; Microsoft Windows application written in C and C++; experience studies and embedded value logic included.

2004 DIRECTORY OF ACTUARIAL SOFTWARE

MG-Triton Payout Annuity

FUNCTIONS: Analysis, Cash Flow/
Projections, Financial Reporting,
Valuation

MG-Triton Payout Annuity Valuation System calculates statutory (including Actuarial Guideline 39), tax, and GAAP reserves (benefit reserves, unearned profit reserve, and deferred acquisition cost assets) for fixed, variable and equity-indexed annuities in payout status, as well as Structured Settlements. Full support provided for Guideline IX-A and IX-B. Microsoft Windows application written in C and C++; statutory, tax and GAAP inforce projection model.

MG-Triton Deferred Annuity

FUNCTIONS: Analysis, Cash Flow/
Projections, Financial Reporting,
Valuation

MG-Triton Deferred Annuity (fixed, variable, and equity-indexed) Valuation System performs statutory valuations under Actuarial Guidelines 33, 34, 35, and 39, including \$ for \$ support, tax, and GAAP valuations (benefit reserves, unearned revenue liabilities, deferred acquisition cost assets, SFAS 133 reserves, and loss recognition), including SOP for variable deferred annuities. Multi-scenario analysis for AG34, AG39, and GAAP SOP with graphical and CSV file output. Microsoft Windows application written in C and C++; statutory, tax and GAAP inforce projection model; experience studies and embedded value logic included.

MG-Triton Interest-Sensitive Life

FUNCTIONS: Analysis, Cash Flow/
Projections, Financial Reporting,
Valuation

MG-Triton Interest-Sensitive Life Valuation System calculates statutory (including Model Regulation #830 and Actuarial Guidelines 37 and 38), tax, alternative minimum, and GAAP reserves (benefit reserves, deferred acquisition cost assets, unearned revenue liabilities, and terminal dividend liabilities, including loss recognition, under SFAS 97, 113 and 115 and SOP 03-1) for Universal Life, Variable Universal Life and Interest-Sensitive Whole Life base contracts and riders. Microsoft Windows application written in C and C++; statutory, tax and GAAP inforce projection model; experience studies and embedded value logic included.



A MILLIMAN GLOBAL FIRM

Milliman USA
Consultants and Actuaries

***Milliman USA**

1550 Liberty Ridge Drive, Suite 200
Wayne, PA 19087

PHONE: (610) 975-8030

FAX: (610) 975-8994

E-MAIL: pete.deakins@milliman.com

WEBSITE: www.milliman.com

CONTACT: Peter B. Deakins, FSA

Also see ads on pages 1, 3, 13

STEP Solutions

FUNCTIONS: Administration/Documents

STEP Solutions provides straight-through processing solutions that facilitate the issue, underwriting, claims and policy administration of a wide variety of insurance products. STEP (Straight Through Enterprise Processing) will enable companies to launch new products and update older ones to respond to rapid changes in the market. Milliman has provided a fast track to product launch that puts the technology at the service of the product rather than allow technical constraints to influence what a company takes to market.

***Palisade Corporation**

31 Decker Road
Newfield, NY 14867

PHONE: (607) 277-8000

FAX: (607) 277-8001

E-MAIL: sales@palisade.com

WEBSITE: www.palisade.com

CONTACT: Dave Bristol

Also see ad on page 69

@RISK

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

@RISK is the risk analysis add-in for Microsoft Excel. Using Monte Carlo simulation, @RISK will tell you not only what could happen in your spreadsheet model, but how likely it is to happen. Commonly used by actuaries for loss reserves, pricing, and other modeling in Excel, @RISK can be used with any spreadsheet model.

StatTools

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The new statistical analysis add-in for Microsoft Excel, StatTools replaces Excel's statistics functions with a new set of robust, accurate functions. Stop exporting your data to perform advanced statistical analysis—now you can work directly in Excel. StatTools includes the most commonly used procedures and lets you create your own customized procedures in Excel's VBA.

DecisionTools Suite

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The complete risk and decision analysis toolkit, the DecisionTools Suite includes the @RISK, PrecisionTree, TopRank, and RISKOptimizer add-ins to Excel. These tools perform Monte Carlo simulation, decision trees, sensitivity analysis, stress testing, optimization, and more. Used by actuaries for a wide range of applications, from resource allocation to profit projection.

@RISK for Project

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The risk analysis add-in for Microsoft Project. Take uncertainty into account when examining schedules and costs of your projects. Use Monte Carlo simulation to see what could happen in your project model, and how likely it is to happen. Make contingency plans based on what could happen.

RISKOptimizer

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

For high-speed optimization under uncertainty in Excel. Ideal for complex optimization problems such as resource allocation or pricing decisions. RISKOptimizer tries different solutions and runs Monte Carlo simulations on each one in order to determine the best possible overall solution.

@RISK Developer's Kit

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

Add Monte Carlo simulation to applications outside of Excel. Use the same powerful distribution functions, sensitivity analyses and other features in your own custom applications. Control the model structure, so that users only input uncertain elements. You can even run your simulations over a web or network server.

***PolySystems, Inc.**

30 N. LaSalle Street
Chicago, IL 60602

PHONE: (312) 332-5670

FAX: (312) 332-2391

E-MAIL: gbusse@polysystems.com or
bkeating@polysystems.com

WEBSITE: www.polysystems.com

CONTACT: Gary Busse or Bob Keating

Also see ads on inside back cover and page 51

AnnuityMaster**FUNCTION: Valuation**

AnnuityMaster is a first-principles statutory and tax CRVM valuation system for fixed, variable, and equity indexed deferred annuities. Special features include full Guideline 33, 34, and 35 processing, multiple integrated benefit path processing, nonelective and elective benefit descriptions, fund bucket processing, multiple fund logic, surrender changes by date of deposit, Annuity 2000 tables, and annuitization testing. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

UL Master**FUNCTION: Valuation**

ULMaster is a PC-based first-principles statutory and tax CRVM valuation system for universal life, interest sensitive and variable UL products. Special features include reserving options for structural changes, multiple life reserving, fund bucket processing, at-issue and post-issue guarantees of interest and COI changes, persistency bonus reserving, and California, Indiana and NY 147/XXX processing. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

LifeMaster**FUNCTION: Valuation**

LifeMaster is a first-principles statutory, tax and GAAP valuation system for traditional life insurance policies. Special features include multiple simultaneous reserve computations, purchase GAAP, multiple life reserving, NY 147/XXX processing, and calendar-year expense true-up. LifeMaster also features a growing list of international reserving methods (e.g., Zilmer). It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

Dividend Generator**FUNCTION: Analysis, Financial Reporting, Modeling**

The Dividend Generator is a calculation engine designed to produce the unit dividends associated with a dividend scale set of assumptions. Numerous utilities to perform diagnostic tests as well as the capability of generating a dividend liability for financial reporting purposes have been incorporated into the Dividend Generator. A new scale of dividends can be matched to in-force policies so that the aggregate dividend costs can be measured. Once the dividends are accepted, the dividends file can be converted into the format that your administrative system requires. Dividend Generator works in conjunction with the LifeMaster. The system runs on Windows 2000/NT/XP, and UNIX.

Delphi Series**FUNCTION: Cash Flow/Projections, Modeling**

Delphi Series is a forecasting system that produces statutory, GAAP and tax income statements, balance sheets, and analytical reports. This PC-based system may be combined with any of the Master series of

valuation systems to project balance sheet and income statement data on a statutory, GAAP and tax effected basis. Special features include direct handshake with valuation and policy description and a new business model. The system runs on Windows 2000/NT/XP, and UNIX, and allows the user to examine the affect of reserve options on existing or new business.

Asset Delphi**FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Data Management/Warehousing, Financial Reporting, Loss Reserving, Modeling, Valuation**

Asset Delphi is a PC based financial projection tool that is used for asset/liability management, corporate planning, cash flow testing, GAAP and Statutory financial simulations. Asset Delphi facilitates the interactions between the projected asset cash flows of a company's investment portfolio and the liability cash flows generated by PolySystems' powerful liability projection software for all lines of business. Asset Delphi is used as a dynamic management tool to utilize the results of the asset/liability interactions and to assist in the business decision process.

FAS 97 Reporting System**FUNCTION: Cash Flow/Projections, Valuation**

This PC-based system tracks and projects margins and amortizes DAC according to FAS 97 rules on interest sensitive policies. It links with the annuity and universal life valuation system to run the amortization of DAC, front-end loads, and special benefit accruals under FAS 97. Functions have been expanded to include requirements of FAS 133 for equity indexed annuities. Features include a direct link to administration systems, accurate reporting of gross profit margins, recoverability analysis, fund roll forward analysts, and direct control of amortization options. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

FAS 120 Reporting System**FUNCTION: Cash Flow/Projections, Valuation**

This PC-based system tracks margins, computes benefit reserves, projects margins, and amortizes DAC according to the mutual company GAAP rules on participating policies. It links with the LifeMaster/Delphi system. Special features include the ability to describe dividends with three-factor formula, allocation of dividends into gross margins, and loss recognition analysts. Estimated gross margins are projected with a high-fidelity model. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

R² The Reinsurance Resolution

A life & disability income reinsurance administration system

Interfaces With Any Administrative System!

Complete reinsurance processing
using an inforce extract.
Includes Global Retention Management.



8989 North Port Washington Road • Suite 227
Milwaukee, WI 53217-1662

(414) 228-8622
www.qsi-r2.com

IncomePayMaster**FUNCTION: Valuation**

Income PayMaster is a first-principles statutory, tax and GAAP valuation system for annuities in the payout stage. Special features include structured settlement Guideline 9A and 9B processing, edit verify routines, Annuity 2000 mortality tables, and early retirement adjustment capabilities. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

Horizon Series**FUNCTION: Data Management/
Warehousing**

Horizon systems collect monthly policy transactions and summarize results into income statements and balance sheets. The Horizon Series tracks policy financial information such as premiums, benefit commissions, reserve increases, expenses, terminations, and reinsurance payments to build accurate monthly historical profits by plan and year of issue. The PC based system interfaces with the company's administrative system to create its data. Policy data can be rolled up into summarized history files. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

Measure**FUNCTION: Analysis**

Measure works with Horizon series by line of business to produce traditional actuarial experience studies of lapse, mortality, morbidity, and premium persistency probabilities. Multiple breakdowns are permitted. The system computes A/E ratio and A/E standard deviations on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

SOE Series**FUNCTION: Analysis**

This PC-based software develops earnings by mortality, interest, expenses, persistency, etc. It ties to the Horizon series to measure the sources of a company's profits. Changes in reserves/DAC in the income statement mask the true earnings by operations source. SOE breaks up the reserve/DAC increases into their component pieces and matches them with corresponding income statement items to produce a meaningful analysis of earnings by source, by plan and by year. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

ReMaster**FUNCTION: Valuation**

ReMaster improves the accuracy and control of valuations for reinsurers. The system stores valuation results in a relational database that can be queried to produce valuation reports by treaty or client. The system has unique techniques for dealing with late reporting by clients; multiusers access data via a LAN. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

***Quasar Systems, Inc.**

8989 North Port Washington Road
Suite 227

Milwaukee, WI 53217

PHONE: (414) 228-8622

FAX: (414) 228-8857

E-MAIL: laura.mueller@qsi-r2.com

WEBSITE: www.qsi-r2.com

CONTACT: Laura Mueller

Also see ad on page 65

R²—The Reinsurance Resolution**FUNCTION: Administration/Documents**

R² is a PC-based, self-administered reinsurance administration system. It includes automatic processing of all life and disability reinsurance transactions, retention management, statutory, tax valuation, and Schedule S. It does automatic calculation of cession amounts as determined by treaty information. It produces paper and magnetic reporting and handles multiple languages and currencies. The system stands alone or interfaces with direct administration systems.

**Life Reinsurance Systems*****TAI**

10727 Winterset Drive

Orland Park, IL 60467

PHONE: (708) 403-7775

FAX: (708) 403-7801

EMAIL: infor@taire.com

WEBSITE: www.taisystem.com

CONTACT: John Carroll

Also see ad on page 6

TAI—mainframe**FUNCTIONS: Administration/Documents**

Life reinsurance administration system for mainframe supports single/joint life products, disability income, and long term care for ceded, assumed, and retroceded processing of all types of reinsurance arrangements. Retention management, claims tracking, online help, ad hoc reporting, reinsurer electronic reporting and system integration are also featured.

TAI—client server**FUNCTION: Administration/Documents**

Graphical version that uses Robohelp, has report designer for ad hoc reports and allows administrators to run cycles on request. Same capabilities as mainframe version.

TAI—.NET**FUNCTION: Administration/Documents**

Our newest application with latest functionality and technology enhancements, supports all the products and arrangements of our mainframe and client server applications. Features three tier system architecture, rich thin/client for ease of deployment and hot links to frequently used pages.

**COSS Development Corporation**

10600 N. Port Washington Road
Mequon, WI 53092

PHONE: (262) 241-8989

FAX: (262) 241-8999

E-MAIL: info@cosssdev.com

WEBSITE: www.cossdev.com

CONTACT: Dennis Raniewicz

Enterprise Point of Sale Illustrations**FUNCTION: Illustrations**

Fully compliant and customizable, new sale and/or reprojection illustration system. For all forms of fixed or variable UL, Term, Par, Non-par, first or second to die, LTC or DI. Includes any desirable solves, product comparison, guideline testing, rider blends. Available needs analysis, advanced business planning, co-development tools.

iFORMS—Wizard Driven Electronic Forms**FUNCTIONS: Administration/Documents,
Electronic Forms**

Totally paperless forms completion and submission. Customizable business rules to assure all required forms and fields are complete. State sensitive and fully customizable and maintained by Carrier home office, via COSS development tools. E-signature compatible.

COSS eLearning**FUNCTIONS: Education/Training**

Web or Desktop based agent training for Insurance Essentials, Needs Based Selling and Advanced Markets such as Business Continuation, Split Dollar, Executive Bonus and much more. Training modules include interactive self evaluation, case studies and practical application. Continuing education credit available. Both video and audio.

WealthScape**FUNCTIONS: Analysis, Modeling, Wealth
Distribution Planning Tool**

Planning tool focused on wealth distribution, asset liquidation and maximizing retirement payouts in a tax advantaged environment. WealthScape provides guidelines for shaping retirement distribution planning by comparing and evaluating various payout strategies, tax qualified, tax advantaged, tax deferred or taxable. Evaluates effect of repositioning assets and adjustments to assumptions.

Wealth Illustrator**FUNCTIONS: Illustrations, Modeling,
Valuation**

Compliant, customizable hypothetical and/or historical illustrations for all forms of fixed and variable Annuities, flexible, single, deferred, immediate. Product configuration functionality, and payout options available. Includes various planning techniques such as portfolio rebalancing, interest sweep, dollar

cost averaging. Risk tolerance asset allocation, premium allocation, retirement planning and electronic forms available.

Genelco Software Solutions
A Division of Liberty Insurance Services Corporation



Genelco Software Solutions
9735 Landmark Parkway Drive
St. Louis, MO 63127
PHONE: (800) 983-8114
FAX: (314) 467-8900
E-MAIL: info@genelco.com
WEBSITE: www.genelco.com
CONTACT: Sales Support

Genelco Life+

FUNCTIONS: Administration/Documents, Pricing, Ratings, Valuation

Insurance carriers worldwide use Genelco Life+ for comprehensive administration of annuities, and individual life and health products, including long-term care and disability. This back-end administration system maximizes user efficiency and provides all the functions and features needed to process insurance products.

Genelco LifeView

FUNCTION: Administration/Documents

Genelco LifeView gives you security and flexibility in tailoring access to fit the needs and responsibilities of specific users. Extensive policy search capabilities make it easy to find information, whether it's a policy owner checking on a policy loan, a producer checking the status of a pending application, or a number of other scenarios.



GGY Inc.

5001 Yonge Street, Suite 1300, P.O. Box 172
Toronto, Ontario Canada M2N 6P6
PHONE: (416) 250-6777
FAX: (416) 250-6776
E-MAIL: by@ggy.com
WEBSITE: www.ggy.com
CONTACT: Bill Young

AXIS

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

AXIS is different - offering an integrated solution for Pricing, Projection and Valuation of Life, Disability, Annuity and Living Benefits. AXIS applications include ALM; Surplus, Stochastic

and Cash Flow Testing; and Earnings Analysis. AXIS is extremely fast, flexible and easy to learn and use. GGY supports 1000+ users in 80+ companies.

DataLink

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

DataLink allows you the flexibility and speed to use seriatim data for all your work, not just valuation. DataLink is a flexible and powerful database tool that allows you to automate the preparation, running, analysis and reporting of seriatim inforce and transaction data as well as new business.

ScenarioTools

FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Financial Reporting, Modeling, Pricing, Valuation; Other: Stochastic Risk Analysis, Earnings and Experience Analysis, Business Planning, Risk Management, ALM, CALM

ScenarioTools allows you to identify, quantify and manage your risks. ScenarioTools is a package of tools within AXIS that generates scenarios for yield curves and/or equity values; analyses the scenarios; and analyses the projected results. The scenario generators include Risk Neutral and Actuarial or Real World models.



SunGard Insurance Systems

2000 South Dixie Highway
Miami, FL 33133
PHONE: (800) 337-2677
FAX: (305) 854-6305
E-MAIL: sales@insurance.sungard.com
WEBSITE: www.insurance.sungard.com
CONTACT: COMPASS Sales

SunGard COMPASS

FUNCTIONS: Administration/Documents, Compliance/Testing, Defined Benefit, Defined Contribution/401(k), Financial Reporting

Global solution for life insurance and financial service enterprises supporting a multiple of diverse product lines including many variations of group/individual life, annuity, dental/health policies in addition to providing support for group/individual investment accounts (pension/wealth management). COMPASS incorporates all necessary automated business functions for comprehensive financial and insurance product administration.

Watson Wyatt Insurance & Financial Services, Inc.

1055 Westlakes Drive, 3rd Floor
Berwyn PA 19312-2410

PHONE: 610-727-3781

FAX: 610-727-4283

E-MAIL: VIP@watsonwyatt.com, suzanne.mcconnel@ifs.watsonwyatt.com

WEBSITE: www.watsonwyatt.com/vip

CONTACT: Suzanne McConnel



Watson Wyatt VIP

FUNCTIONS: Analysis, Cash Flow/Projections, Education/Training, Financial Reporting, Illustrations, Modeling, Pricing, Valuation; Other: Embedded Values, Asset & Liability Modeling, Business Planning and Risk Management, Fair Value, GAAP

VIP is a versatile PC-based actuarial modeling, projection and valuation tool that supports life, annuities, and health products developed and supported by Watson Wyatt globally. VIP tools include ALM, GAAP, business planning and more. VIP offers functionality that is extremely fast, flexible, user-friendly and globally adaptive, combined with first-class support.



Watson Wyatt Market-consistent asset model

FUNCTIONS: Analysis, Cash Flow/Projections, Financial Reporting, Modeling, Pricing, Valuation

Watson Wyatt Market-consistent asset model is an economic scenario generator based on the Black-Scholes and Merton methodology. The model produces stochastic simulations of future index prices, currency rates and yield curves, as well as the corresponding state price deflators, on a market consistent basis. The economic scenario generator output can be used in VIP, Microsoft Excel or other software packages.

PENSIONS

TOWERS PERRIN

CLASSIC SOLUTIONS

*Classic Solutions

335 Madison Avenue
New York, NY 10017-4605

PHONE: (904) 398-5661

FAX: (904) 399-8267

E-MAIL: classic_us@cs.com.au

WEBSITE: www.csrm.com

CONTACT: Gerald Kirschner

Also see ad on page 9

MoSes 5

FUNCTIONS: Modeling

MoSes 5 users can enjoy unmatched modeling flexibility combined with powerful control and audit tools. In addition to allowing users to fully customize TAS models, MoSes modelers also have more than 50 applications at their fingertips. Version 5 enhancements to existing US asset-and-liability specific applications allow MoSes to tackle specialist and groundbreaking modeling assignments such as stochastic-on-stochastic analysis and enterprise risk management.

TAS

FUNCTIONS: Modeling

TAS 10 is the latest version of the popular comprehensive general application for life, health and annuity products. It supports a wide range of common industry products and features. TAS 10 features outstanding troubleshooting and model control tools, superb formula transparency and auditability of results, and unmatched reporting features. Now on the MoSes platform, offering even greater flexibility.

Deloitte.

*Deloitte.

City Place 1, 185 Asylum Street
Hartford, CT 06013

PHONE: (860) 725-3339

FAX: (860) 543-7371

E-MAIL: donpwilson@deloitte.com

WEBSITE: www.prophet-web.com

CONTACT: Don Wilson

Also see ad on page 31

Glean

FUNCTIONS: Analysis, Data Management/
Warehousing

Glean is an experience analysis and data mining tool, enabling analysis and interpretation of any experience data (mortality, lapse, retirement, claim, investment, etc.) based on user defined risk factors (age, sex, zip code, reinsurance treaty, etc.). Analyses include actual rates, actual versus expected ratios, and generalized linear modeling.

Prophet

FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Modeling,
Pricing, Valuation

Prophet is an integrated suite of asset and liability actuarial modeling systems, providing sophisticated modules for ALM, pricing, and valuation. It includes extensive product libraries, complete U.S. GAAP functionality, a robust stochastic platform, open architecture for custom developers, and flexible reporting. Designed for today's emerging business and financial reporting requirements.



*Lynchval Systems Worldwide Inc.

14000 Thunderbolt Place, Suite R
Chantilly, VA 20151

PHONE: (703) 709-1000

FAX: (703) 709-8704

E-MAIL: sales@lynchval.com

WEBSITE: www.lynchval.com

CONTACT: Barton Fleming, EA, FSA,
MAAA

Also see ad on page 18

LynchVal

FUNCTIONS: Administration/Documents,
Analysis, Cash Flow/Projections, Data
Management/Warehousing, Defined
Benefit, Modeling, Valuation

Defined benefit valuation software has flexibility for valuation of any current or future plan formula. Provides single-click client-ready reporting of 412/404/OBRA/RPA/PBGC valuations and model valuation reports. Windows interface includes utilities for data validation/analysis, rate table interpolation, multiple file viewing, parameter/output bookmarking, reporting via ODBC database.

LVadmin

FUNCTIONS: Administration/Documents,
Cash Flow/Projections, Data
Management/Warehousing, Defined
Benefit, Illustrations

Defined benefit administration software for both multiplan TPA's and end-user suite/conversion services for in-source plan sponsors. Produces actual and estimated benefits (retirement, death, disability, and termination) for individual participants or groups via batch feature. DCOM distributed object version and use of open architecture readily facilitates web-enablement and other special interfaces.

LVa4

FUNCTION: Compliance/Testing, Defined
Benefit

401(a)(4) discrimination testing when used with LynchVal or other DB systems. Can be used on a stand-alone basis to cross test DC plans. Features include: normalization, accounting for permitted disparity, normal accrual and most valuable rates for DB plans, testing on either a contribution or benefit basis, automatic plan restructuring.

LVmed

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, FAS106, Valuation

Retiree medical valuation software for full compliance with FAS 106, NAIC, FAS 112, and SOP 92-6 (as regards post-employment defined benefit health and life insurance). Permits wide range of assumptions, and features include automatic sensitivity testing of claims and other medical care factors, and 120-year open/closed-group forecasts. Windows interface includes data handling and validation features and actuarial tools.

LVdc

FUNCTIONS: Administration/Documents,
Cash Flow/Projections, Data
Management/Warehousing, Defined
Contribution/401(k), Illustrations

Calculation and recordkeeping software for DC plans, including 401(k), ESOP (including leveraged ESOP; LVdc has a powerful array of ESOP features), thrift, savings, profit sharing (including stock bonus), and money purchase plans. LVdc is a balance-forward system for periodic reporting—with potential for future move to real-time reporting.



*Palisade Corporation

31 Decker Road
Newfield, NY 14867

PHONE: (607) 277-8000

FAX: (607) 277-8001

E-MAIL: sales@palisade.com

WEBSITE: www.palisade.com

CONTACT: Dave Bristol

Also see ad on page 69

@RISK

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

@RISK is the risk analysis add-in for Microsoft Excel. Using Monte Carlo simulation, @RISK will tell you not only what could happen in your spreadsheet model, but how likely it is to happen. Commonly used by actuaries for loss reserves, pricing, and other modeling in Excel, @RISK can be used with any spreadsheet model.

StatTools

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The new statistical analysis add-in for Microsoft Excel, StatTools replaces Excel's statistics functions with a new set of robust, accurate functions. Stop exporting your data to perform advanced statistical analysis - now you can work directly in Excel. StatTools includes the most commonly used procedures and lets you create your own customized procedures in Excel's VBA.

DecisionTools Suite

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The complete risk and decision analysis toolkit, the DecisionTools Suite includes the @RISK, PrecisionTree, TopRank, and RISKOptimizer add-ins to Excel. These tools perform Monte Carlo simulation, decision trees, sensitivity analysis, stress testing, optimization, and more. Used by actuaries for a wide range of applications, from resource allocation to profit projection.

@RISK for Project

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

The risk analysis add-in for Microsoft Project. Take uncertainty into account when examining schedules and costs of your projects. Use Monte Carlo simulation to see what could happen in your project model, and how likely it is to happen. Make contingency plans based on what could happen.

RISKOptimizer

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

For high-speed optimization under uncertainty in Excel. Ideal for complex optimization problems such as resource allocation or pricing decisions. RISKOptimizer tries different solutions and runs Monte Carlo simulations on each one in order to determine the best possible overall solution.

@RISK Developer's Kit

FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation

Add Monte Carlo simulation to applications outside of Excel. Use the same powerful

distribution functions, sensitivity analyses and other features in your own custom applications. Control the model structure, so that users only input uncertain elements. You can even run your simulations over a web or network server.



POLYSYSTEMS, INC.
DEDICATED TO WORLDWIDE SOLUTIONS

***PolySystems, Inc.**

30 N. LaSalle Street
Chicago, IL 60602

PHONE: (312) 332-5670

FAX: (312) 332-2391

E-MAIL: gbusse@polysystems.com or
bkeating@polysystems.com

WEBSITE: www.polysystems.com

CONTACT: Gary Busse or Bob Keating

**Also see ads on inside back cover and
page 51**

Income PayMaster

FUNCTION: Valuation

Income PayMaster is a first-principles statutory, tax and GAAP valuation system for annuities in the payout stage. Special features include structured settlement Guideline 9A and 9B processing, edit verify routines, Annuity 2000 mortality tables, and early retirement adjustment capabilities. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

Actuaries Know What to Avoid.

@RISK Shows What to Expect.

Any insurance endeavor is fraught with risk. Successful actuaries don't rely on luck – they foresee dangers and plan for a range of eventualities. Loss reserves estimation, premium pricing, and much more all depend on having full information. Factoring in all the variables could be a mammoth task, but it isn't – thanks to @RISK.

Using Monte Carlo simulation in Excel, @RISK shows all possible outcomes, enabling smart decision-makers to minimize uncertainty. Which is lucky for them.

Download a FREE trial version or order @RISK now and save \$250!

Use code CON2004 at www.palisade.com/contingencies
or when calling 800-432-RISK or 607-277-8000.

PALISADE
DECISIONS WITH VISION

2004 DIRECTORY OF ACTUARIAL SOFTWARE

Delphi Series**FUNCTION: Cash Flow/Projections, Modeling**

Delphi Series is a forecasting system that produces statutory, GAAP and tax income statements, balance sheets, and analytical reports. This PC-based system may be combined with any of the Master series of valuation systems to project balance sheet and income statement data on a statutory, GAAP and tax effected basis. Special features include direct handshake with valuation and policy description and a new business model. The system runs on Windows 2000/NT/XP, and UNIX, and allows the user to examine the affect of reserve options on existing or new business.

Asset Delphi**FUNCTIONS: Analysis, Cash Flow/Projections, Compliance/Testing, Data Management/Warehousing, Financial Reporting, Loss Reserving, Modeling, Valuation**

Asset Delphi is a PC based financial projection tool that is used for asset/liability management, corporate planning, cash flow testing, GAAP and Statutory financial simulations. Asset Delphi facilitates the interactions between the projected asset cash flows of a company's investment portfolio and the liability cash flows generated by PolySystems' powerful liability projection software for all lines of business. Asset Delphi is used as a dynamic management tool to utilize

the results of the asset/liability interactions and to assist in the business decision process.

Horizon Series**FUNCTION: Data Management/Warehousing**

Horizon systems collect monthly policy transactions and summarize results into income statements and balance sheets. The Horizon Series tracks policy financial information such as premiums, benefit commissions, reserve increases, expenses, terminations, and reinsurance payments to build accurate monthly historical profits by plan and year of issue. The PC based system interfaces with the company's administrative system to create its data. Policy data can be rolled up into summarized history files. It runs on a variety of operating systems, including Windows 2000/NT/XP, and UNIX.

***Winklevoss Technologies**

500 West Putnam Avenue
Greenwich, CT 06830

PHONE: (203) 861-5530**FAX:** (203) 861-5531**E-MAIL:** sales@winklevoss.com**WEBSITE:** www.winklevoss.com/wintech**CONTACT:** Joe Gilbert**Also see ad on page 53****ProVal****FUNCTIONS: Administration/Documents, Analysis, Cash Flow/Projections,****ProVal****Compliance/Testing, Data Management/Warehousing, Defined Benefit, FAS 106, Financial Reporting, Modeling, Valuation**

Comprehensive software for valuations and projections of defined benefit and OPEB plans. Handles U.S. qualified, SERP, public, Canadian registered, and other international plans. Flexible design includes data scrubber, comprehensive assumptions, detailed sample lives, gain/loss analysis, funding/accounting exhibits, experience studies & nondiscrimination tests. Stochastic projections include state-of-the-art capital market simulator.

ProAdmin**FUNCTIONS: Administration/Documents, Defined Benefit, Illustrations, Modeling**

Defined benefit calculator built on the ProVal platform and incorporating its flexible benefit expression language. Users can create benefit formulas, service, salary, rounding, etc. definitions from user-defined components rather than a fixed set of pre-defined parameters. Offers significantly reduced implementation and coding time. Server calculator component integrates smoothly into an existing infrastructure using an HTTP/XML interface.

ProAdmin**ProValPS****FUNCTIONS: Analysis, Cash Flow/Projections, Defined Benefit, Financial Reporting, Illustrations, Modeling**

Graphical DB plan tool kit designed for the plan sponsor or the plan's advisor. Powered by ProVal, ProVal PS offers Financial Sensitivity, Disclosure and Budgeting and Asset Allocation tools. Includes the ability to consider the plan sponsors' goals and observe their affect on investment options from the efficient frontier.

ProVal^{PS}RETIREMENT SOFTWARE SOLUTIONS
FROM WYSTAR GLOBAL**DBVAL** Defined benefit valuations and Web estimator**DCVAL** Defined contribution, balance forward recordkeeping and compliance**OPEVS** Post-employment benefits**GRT** Nondiscrimination testing

For more information, please visit our Web site at WySTAR.com, or call 800.505.9076. E-mail us at retsrv.marketing@wystar.com, or fax us at 800.344.1258.

WySTAR | Global Retirement Solutions
CONSIDER IT DONE.

WySTAR | Global Retirement Solutions***WySTAR Global Retirement Solutions**

9210 Corporate Blvd., Suite 300
Rockville, MD 20850

PHONE: (800) 505-9076**FAX:** (800) 344-1258**E-MAIL:** retsrv.marketing@wystar.com**WEBSITE:** www.wystar.com**CONTACT:** Stephen J. Nelson**Also see ad on this page****DBVAL****FUNCTIONS: Cash Flow/Projections, Defined Benefit, Valuation**

DBVAL is a Windows-based, multiple decrement valuation system for large and small plans. DBVAL offers complete flexibility: benefits, payment forms, actuarial methods, assumptions, open group forecasting, stochastic projections, gain/loss by source, valuation report, FAS 87/132 report, employee data preparation, extensive documentation and sample life checking. Web

DCVAL

FUNCTIONS: Compliance/Testing, Data Management/Warehousing, Defined Contribution/401(k), Modeling, Valuation

DCVAL is a Windows-based, traditional balance forward participant recordkeeping system, with user-friendly import/export interface with spreadsheets. DCVAL is continually updated for regulatory changes. It provides complete compliance and reporting packages.

GRT

FUNCTIONS: Compliance/Testing, Defined Benefit, Defined Contribution/401(k)

GRT is a Windows-based, parameter-driven system for the 401(a)(4) General Rule Test and the 410(b) participation and average benefit percentage tests. GRT handles DB and DC plans, aggregation and cross-testing. It determines HCEs, normal and most valuable accrual rates; overrides allowed. GRT offers flexibility in determining rate groups.

OPEVS

FUNCTIONS: Cash Flow/Projections, FAS 106

OPEVS is a post-employment benefits valuation system for FAS 106, 112, 132 and SOP 92-6. OPEVS accommodates trend assumptions, attribution methods, multiple decrement demographic assumptions and year-by-year financial assumptions. It produces reports, sample lives and sensitivity analysis. OPEVS values medical, disability, severance and life insurance benefits.

**Actuarial Systems Corporation**

18321 Ventura Boulevard, Suite 660
Tarzana, CA 91356

PHONE: (800) 950-2082

FAX: (818) 344-3288

E-MAIL: sales@asc-net.com

WEBSITE: www.asc-net.com

CONTACT: Mary Turley

ASC Defined Contribution/401(k) Valuation System

FUNCTIONS: Administration/Documents, Defined Contribution/401(k), Valuation

The ASC DC/401(k) System includes record-keeping functions, performs compliance testing and calculates various employer contributions for 401(k) and other DC plans. Fully updated for EGTRRA & Catch-up, plans including: new comparability, super integrated, cross-tested, target benefits, age weighted, profit sharing money purchase, ESOP/KSOP and combination plans. The system handles traditional balance forward and transaction based plans.

AIM Case Management & Project Tracking Database

FUNCTIONS: Administration/Documents, Data Management/Warehousing

ASC designed and built AIM to help plan administrators control their case load, ensure no filing deadlines or billings are overlooked, check work-in-progress and create a uniform look in all correspondence sent to clients. With AIM pension administrators can: store and organize all information needed by pension professionals; track potential and existing clients, contacts, cases, advisors, staff members and projects; view and print follow-up reports, eliminate repetitive tasks via AIM's automation, easily view the status of one, all or a subset of plans and much more.

Defined Benefit Valuation System

FUNCTIONS: Administration/Documents, Defined Benefit

Regardless of whether defined benefit plans are in or out of fasing, ASC has remained committed to maintaining and developing the highest quality DB software. The ASC DB System administers, test, and values all types of defined benefit plans including those with ancillary benefits. Some features include: Multiple decrements, Cash balance, 401(a)(4) cross tested design, FAS 87/88 Valuations, 412i and much more.

Gemini Web Based Participant Account Management

FUNCTIONS: Administration/Documents, Defined Contribution/401(k)

Now TPAs can offer their clients web based participant account management that rivals the power, functionality and sophistication of the top investment firms in the nation - at a fraction of the cost. No investment in additional hardware or infrastructure is needed. The TPA maintains control of plan data and can customize web site(s) with their corporate logo and colors. Gemini is a best of both worlds hybrid between hosting a website in-house and outsourcing.

ASC Compliance Testing System

FUNCTION: Compliance/Testing

The ASC Compliance Testing System (CTS) eliminates time consuming reruns and data manipulations by generating multiple corrections or solutions for failed ADP/ACP tests. The CTS interfaces with any recordkeeping system and can include data from multiple plans or plans not on the ASC CTS. Single-Step Processing (SSP) add-on enables automation of compliance testing on one or multiple plans without user interaction.



INSURANCE SYSTEMS

SunGard Insurance Systems

2000 South Dixie Highway
Miami, FL 33133

PHONE: (800) 337-2677

FAX: (305) 854-6305

E-MAIL: sales@insurance.sungard.com

WEBSITE: www.insurance.sungard.com

CONTACT: COMPASS Sales

SunGard COMPASS

FUNCTIONS: Administration/Documents, Compliance/Testing, Defined Benefit, Defined Contribution/401(k), Financial Reporting

Global solution for life insurance and financial service enterprises supporting a multiple of diverse product lines including many variations of group/individual life, annuity, dental/health policies in addition to providing support for group/individual investment accounts (pension/wealth management). COMPASS incorporates all necessary automated business functions for comprehensive financial and insurance product administration.

Watson Wyatt Insurance & Financial Services, Inc.

1055 Westlakes Drive, 3rd Floor
Berwyn PA 19312-2410

PHONE: 610-727-3781

FAX: 610-727-4283

E-MAIL: VIP@watsonwyatt.com, suzanne.mcconnel@ifs.watsonwyatt.com

WEBSITE: www.watsonwyatt.com/vip

CONTACT: Suzanne McConnel

**Watson Wyatt VIP**

FUNCTIONS: Analysis, Cash Flow/Projections, Education/Training, Financial Reporting, Illustrations, Modeling, Pricing, Valuation; Other: Embedded Values, Asset & Liability Modeling, Business Planning and Risk Management, Fair Value, GAAP

VIP is a versatile PC-based actuarial modeling, projection and valuation tool that supports life, annuities, and health products developed and supported by Watson Wyatt globally. VIP tools include ALM, GAAP, business planning and more. VIP offers functionality that is extremely fast, flexible, user-friendly and globally adaptive, combined with first-class support.

**Watson Wyatt Market-consistent asset model**

FUNCTIONS: Analysis, Cash Flow/Projections, Financial Reporting, Modeling, Pricing, Valuation

Watson Wyatt Market-consistent asset model is an economic scenario generator based on the Black-Scholes and Merton methodology. The model produces stochastic simulations of future index prices, currency rates and yield curves, as well as the corresponding state price deflators, on a market consistent basis. The economic scenario generator output can be used in VIP, Microsoft Excel or other software packages.

PROPERTY/CASUALTY

TOWERS PERRIN

CLASSIC SOLUTIONS

*Classic Solutions

335 Madison Avenue
New York, NY 10017-4605

PHONE: (904) 398-5661

FAX: (904) 399-8267

E-MAIL: classic_us@cs.com.au

WEBSITE: www.csrmi.com

CONTACT: Gerald Kirschner

Also see ad on page 9

MoSes 5

FUNCTIONS: Modeling

MoSes 5 users can enjoy unmatched modeling flexibility combined with powerful control and audit tools. In addition to allowing users to fully customize TAS models, MoSes modelers also have more than 50 applications at their fingertips. Version 5 enhancements to existing US asset-and-liability specific applications allow MoSes to tackle specialist and groundbreaking modeling assignments such as stochastic-on-stochastic analysis and enterprise risk management.

TAS

FUNCTIONS: Modeling

TAS 10 is the latest version of the popular comprehensive general application for life, health and annuity products. It supports a wide range of common industry products and features. TAS 10 features outstanding troubleshooting and model control tools, superb formula transparency and auditability of results, and unmatched reporting features. Now on the MoSes platform, offering even greater flexibility.

Deloitte.

*Deloitte.

City Place 1, 185 Asylum Street
Hartford, CT 06013

PHONE: (860) 725-3339

FAX: (860) 543-7371

E-MAIL: donpwilson@deloitte.com

WEBSITE: www.prophet-web.com

CONTACT: Don Wilson

Also see ad on page 31

Glean

**FUNCTIONS: Analysis, Data Management/
Warehousing**

Glean is an experience analysis and data mining tool, enabling analysis and interpretation of any experience data (mortality, lapse, retirement, claim, investment, etc.) based on user defined risk factors (age, sex, zip code, reinsurance treaty, etc.). Analyses include actual rates, actual versus expected ratios, and generalized linear modeling.

Prophet

**FUNCTIONS: Analysis, Cash Flow/
Projections, Compliance/Testing,
Financial Reporting, Modeling,
Pricing, Valuation**

Prophet is an integrated suite of asset and liability actuarial modeling systems, providing sophisticated modules for ALM, pricing, and valuation. It includes extensive product libraries, complete U.S. GAAP functionality, a robust stochastic platform, open architecture for custom developers, and flexible reporting. Designed for today's emerging business and financial reporting requirements.



*Insureware

Suite 7, 40-44 St. Kilda Road
St. Kilda, Victoria 3182
Australia

PHONE: (+61 3) 9533-6333

FAX: (+61 3) 9533-6033

E-MAIL: enquiries@insureware.com

WEBSITE: www.insureware.com

CONTACT: Ben Zehnirith

Also see ad on page 73

ICRFS-Plus

**FUNCTIONS: Analysis, Loss Reserving
Reinsurance, Information
Management, Modeling, Pricing**

ICRFS-Plus™ is the world's first and leading probabilistic software for loss reserving; with applications to pricing, risk-based capital calculations and creative reinsurance solutions including adverse development cover. ICRFS-Plus™ gives you the power to truly understand your business and put your company financially and strategically ahead. Identify the social inflation in each line of business and see how it is changing. Quantify the volatility and manage the risk that is unique to your company. Navigate your way to your triangles and models easily and quickly with the data management system. Join the growing list of global companies that use ICRFS-Plus™ to risk manage their long-tail lines of business.



*Milliman USA

945 East Paces Ferry Road, Suite 2500
Atlanta, GA 30326

PHONE: (800) 404-2276

FAX: (404) 237-6984

E-MAIL: stephen.urbrock@milliman.com

WEBSITE: www.actuarialsoftware.com

CONTACT: Stephen Urbrock

Also see ads on pages 1, 3, 13

Corporate Affinity®

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Loss/Reserving,
Modeling**

Corporate Affinity is an enterprise-wide loss analysis and data management solution. It expands on Professional Affinity's powerful analysis capabilities with a customized database for processing high volumes of loss data. Reserving and underwriting analyses can be almost completely automated.

Professional Affinity®

**FUNCTIONS: Analysis, Cash Flow/
Projections, Loss/Reserving, Modeling**

Professional Affinity works with Excel by adding functions and templates for actuarial analysis. It provides a broad range of analytical tools, from relatively simple to sophisticated actuarial models. It allows almost unlimited flexibility for customizing calculations and management reports in a "live" spreadsheet environment.

ReservePro®

**FUNCTIONS: Analysis, Cash Flow/
Projections, Loss/Reserving, Modeling**

ReservePro provides the most popular actuarial methods in an easy-to-use framework. It manages data and calculations, eliminating the risk of formula errors and ensuring consistency between multiple users. With more than 200 exhibits available immediately, ReservePro is a full-featured end-to-end solution that can form the centerpiece for a complete upgrade of your entire reserve analysis process.

ReservePro® Enterprise Edition

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Loss/Reserving,
Modeling**

ReservePro Enterprise is our newest solution for streamlining loss analysis and data management. This system combines automation capabilities, our popular ReservePro analysis tools, and a company-wide database of all your loss, claim, LAE, premium, and exposure data. ReservePro Enterprise allows you to almost completely automate reserving and underwriting analyses. It also provides immediate access to all the information you need, when you need it.

TriangleMaker

**FUNCTION: Data Management/
Warehousing**

TriangleMaker transforms listings of raw claim data, from almost any claim system, into triangles ready for analysis. You can segment, limit, and roll up your data however and whenever you want to analyze it. The results work directly

**Why are seven reinsurance powerhouses
in Bermuda using **ICRFS-PLUS™** for pricing
innovative multi-million dollar reinsurance deals?**

ICRFS-PLUS™

Unique technology for long-tail liabilities

Software Solutions and eConsulting for P&C Insurance

Suite 7, 40-44 St Kilda Road St Kilda VIC 3182 Australia
Tel: +61 3 9533 6333 Fax: +61 3 9533 6033



Insureware
www.insureware.com



***Palisade Corporation**

31 Decker Road
Newfield, NY 14867

PHONE: (607) 277-8000

FAX: (607) 277-8001

E-MAIL: sales@palisade.com

WEBSITE: www.palisade.com

CONTACT: Dave Bristol

Also see ad on page 69

@RISK

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation**

@RISK is the risk analysis add-in for Microsoft Excel. Using Monte Carlo simulation, @RISK will tell you not only what could happen in your spreadsheet model, but how likely it is to happen. Commonly used by actuaries for loss reserves, pricing, and other modeling in Excel, @RISK can be used with any spreadsheet model.

StatTools

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation**

The new statistical analysis add-in for Microsoft Excel, StatTools replaces Excel's statistics functions with a new set of robust, accurate functions. Stop exporting your data to perform advanced statistical analysis - now you can work directly in Excel. StatTools includes the most commonly used procedures and lets you create your own customized procedures in Excel's VBA.

DecisionTools Suite

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Valuation**

The complete risk and decision analysis toolkit, the DecisionTools Suite includes the @RISK, PrecisionTree, TopRank, and RISKOptimizer add-ins to Excel. These tools perform Monte Carlo simulation, decision trees, sensitivity analysis, stress testing, optimization, and more. Used by actuaries for a wide range of applications, from resource allocation to profit projection.

@RISK for Project

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation**

The risk analysis add-in for Microsoft Project. Take uncertainty into account when examining schedules and costs of your projects. Use Monte Carlo simulation to see what could happen in your project model, and how likely it is to happen. Make contingency plans based on what could happen.

RISKOptimizer

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation**

For high-speed optimization under uncertainty in Excel. Ideal for complex optimization problems such as resource allocation or pricing decisions. RISKOptimizer tries different solutions and runs Monte Carlo simulations on each one in order to determine the best possible overall solution.

@RISK Developer's Kit

**FUNCTIONS: Analysis, Cash Flow/
Projections, Data Management/
Warehousing, Financial Reporting,
Modeling, Pricing, Valuation**

Add Monte Carlo simulation to applications

outside of Excel. Use the same powerful distribution functions, sensitivity analyses and other features in your own custom applications. Control the model structure, so that users only input uncertain elements. You can even run your simulations over a web or network server.

Watson Wyatt Insurance & Financial Services, Inc.

225 Franklin Street, 26th floor
Boston, MA 02110

PHONE: (805) 496-4431

FAX: (617) 217-2575

E-MAIL: pretium@watsonwyatt.com

WEBSITE: www.watsonwyatt.com/pretium

CONTACT: Claudine Modlin



Watson Wyatt Pretium®

**FUNCTIONS: Analysis, Illustrations,
Modeling, Pricing**

Pretium® delivers powerful multivariate modeling capabilities which integrate with SAS® software. Its custom-built generalized linear modeling routine analyzes how claim costs and policyholder conversion and retention are affected by rating factors and other policyholder characteristics. Pretium can then combine these analyses to project the likely consequences of different rating actions. It also offers spatial analysis and geographical mapping capabilities. Pretium currently has over 200 users across 23 countries, including the US and Canada.

2004

DIRECTORY OF ACTUARIAL SOFTWARE