



## INCREASE YOUR EFFICIENCY WITH OUR DEFINED BENEFIT SYSTEM

The ASC DB Valuation System administers, values and tests all types of defined benefit plans including cash balance, DB/DC combo plans and plans with ancillary benefits.

### How does the powerful and flexible DB System increase your efficiency?

- Continuously enhanced since 1981
- Supported by full-time, on-staff, credentialed actuaries
- Integrates with ASC's DGEM Documents, DGEM 5500 for Schedule SB and PBGC filings (including one-step generation of required SB attachments printed separately), Client & Task Tracking System, and PensionPal
- Handles traditional, multiple formula, hybrid, DB/DC combo, fresh-start, and pre-PPA plans
- Cash balance plans with multiple formula options for multiple groups and meaningful benefit determination
- Floor Offset arrangements with DC plans on ASC or outside ASC
- Multiple decrement funding with sample life output
- PPA funding (including MAP-21, HATFA, and ARPA 2021) with lump sum and subsidized early retirement options
- Minimum funding contribution requirements, including quarterly contributions and applicable penalty interest, with the ability to solve for the final contribution amount based on the date of deposit
- AFTAP certification report
- IRC §401(a)(26) Minimum Participation, IRC §410(b) Minimum Coverage, and IRC §416 Top Heavy tests
- IRC §401(a)(4) testing on standalone DB and DB/DC combo plans including rate banding option
- Budget routine including calculation of self-employment taxes for unincorporated entities
- FAS/ASC-715 valuations and reports
- Determines eligibility, vesting, individual costs and maintains robust employee history records
- PPA valuation reports with customizable ASOP 51 and disclosure features. ASOP 41 certifications for one or two actuaries from system database of up to 15 actuaries
- Short plan year calculations and reporting
- PPA proposal reports for cash balance, traditional and DB/DC combo plans
- Budget solver and proposal reporting for new Cash Balance/DC combo plans
- Access to custom report writer
- Employee reports including benefit statements (individual and combined plan) and individual calculation check reports
- Participant termination program with lump sum and other optional forms plus PBGC Notice of Plan Benefits
- Programmed for 1-D and 2-D generational mortality projections

**PPA Funding Assumptions**

Tiered Rates

Yield Curve	No	Prior	Min	Prior
Interest Rate 1	0.88	1.75	4.75	4.75
Number of Years	5			
Interest Rate 2	2.61	3.04	5.18	5.36
Number of Years	15			
Interest Rate 3	3.27	3.65	5.92	6.11
Curve				
Prior Curve				
Apply MAP-21 for 2012	No			

At Risk Loads

Percent	\$ per Part
Loading Factor	4.0%
Apply \$ Load only when Indr. Funding Target > 0	No

Tables

Male	Female	Male	Female
Pre-Retirement Mortality	RP22NA M	RP22NA F	T-3
Pre-Retirement Turnover			T-3
Pre-Retirement Disability			Early Retirement Rates
Salary Scales	S3	S3	Salary Scales for Principals
Post-Retirement Mortality	RP22A M	RP22A F	Annuit Table
412(e)(3) Annuity Cash Values			Disability Mortality
Disability Annuity	ANGRPANN		Soc Sec Salary Scale
		S6	S6

Projected Mortality

Mortality Projection: 0 - Static

Social Security Projection: Wage Base: CPI

**Formula Retirement Benefits**

Benefit Formula Table: [Dropdown]

Cash Bal Contribution

Group	Percent	Dollar Amt
Group 1	75.000	
Group 2	2.000	
Group 3	5.000	
Group 4		500.00
Group 5		
Group 6		
Group 7		
Group 8		
Group 9		
Group A		

**Name and Identification - Jack Jones**

Name and ID's

Name: Jack Jones Social Security Number: 000-00-0001 Number: [ ]

Corporate and Family Info

Officer: Y - Yes Principal: 3 - Group 3

Ownership Pct: [ ] Family Code: [ ] Spouse Code: [ ]

Family Prior Year: [ ] Lineal Desc. Code: [ ]

Key and HCE

Key: Y - Yes HCE: Y - Yes HCE Prior: Y - Yes

Miscellaneous

Location: [ ] Eligible for Secondary Vesting: 1 - No Sex: M - MALE Print Multi-Decrement Support: Y - PPA

Eligible for Unitized Minimum Benefit: Y - Yes Force All Benefits: N - No

Eligible for Vesting Override: N - No Eligible for 415 Service Override: N - No

**PPA Actuarial Values - Jack Jones**

PPA Max	PPA Mn	PBGC	PPA Max Prior Yr.	PPA Mn Prior Yr.	PBGC Prior Yr.	415	APR	Term
Retirement	138.52650							
Early Retire								
Termination								
Disability								
Death	1.89336	18,234.29						
Total	140.41986	1,352.333.19						

PV of EOY Accrued Benefit

Additional Factors

PPA Funding Ben PVF	150.908
PPA Funding Ann PVF	146.360
PPA Current Ben PVF	150.908
PPA Discount Factor	.93958
415 PPA PVF	150.908
415 Limited PVF	136.1810

Fund Target	Tgt Nrm Cost	with Sal Incr
100% Lump Sum	1,167,339.00	166,760.00
100% Annuity	1,233,350.00	176,190.00
Weighted Result	1,170,640.00	167,232.00
At-Risk		

PPA @RA PVF: 144.937  
PPA LfWOnly @RA PVF: 144.937  
AEQ 415 APR: 151.458  
Stat 415 LS APR: 144.937