EQUINITI

InFocus Document

Database Output

Contents

1 Introduction

When a valuation is run in SuperVal a “SVResultsDB.mdb” file is created in the consolidation folder. This is a Microsoft Access Database output file. Some clients have access to open this file and some do not. This is an extra module in SuperVal which is available for purchase.

This database output file holds more results than those in the Excel output. These results can either be extracted by filtering data through the tables or the User could write some SQL queries to get the results they require.

Similarly, when a consolidation is run in SuperVal a “User Defined Name.mdb” file is created in the consolidation folder.

2 Tables in the database

2.1 BasisData Table

BasisData

BasisCatego	BasisItemID	BasisItemData
1	23666	90000
1	23667	8.5
1	23668	100000
1	23669	9
1	23670	110000
1	23671	9.5
1	23672	qADDEDYRS
1	23673	Progressive
1	23674	5 <Actives InfRate (2)>
1	23679	45
1	23680	Company Service
1	23681	qMPUFUND
1	23682	15/12/2001
1	23683	random yields.csv <Actives IntRate (14)> [21 Apr 2009 1:15 PM]
2	20001	NEW DATA.DAT [13 Feb 2015 9:37 AM]
2	20002	<Act> NEW DATA.csv from AUTOMAKE.FPF [20 Jun 2014 8:33 AM]
2	20003	0
2	20004	7
2	20005	Yes
2	20006	Yes
3	20001	NEW DATA.DAT [13 Feb 2015 9:37 AM]
3	20002	<Act> NEW DATA.csv from AUTOMAKE.FPF [20 Jun 2014 8:33 AM]

The BasisCategoryID column is generated depending on the number of categories run in Actives, Deferreds and Pensioners.

The BasisItemID column is linked to the BasisItem Table (shown below). This number represents the particular fields populated in the basis files e.g. the pre-retirement interest rate, the pension escalation fields, the deferred revaluation Rate etc.

The BasisItemIDs in the Database have been made static in V9.25; new Basis Parameters will be allocated the next highest number in the future.

The BasisItemData column shows the actual parameter value populated in the basis files.

2.2 BasisItem Table

BasisItem

BasisItemID	BasisItemNa	BasisItemDesc	BasisItemTy
20001	fILENAME	Main - Membership Data - Active Members Data File	F
20002	Format	Main - Membership Data - Data Format	S
20003	CatSels	Main - Membership Data - Category Selection	C
20004	GPeriod	Main - Pension Payment Parameter - Guarantee Period (years)	N
20005	GPOverlap	Main - Pension Payment Parameter - Overlap during Guarantee Period	C
20006	DISC	Main - Pension Payment Parameter - Discounted LS on Death in Guarantee	C
20007	FREQ	Main - Pension Payment Parameter - Payment Frequency	C
20008	MODE	Main - Pension Payment Parameter - Mode	C
20009	IncTiming	Main - Pension Payment Parameter - First Year Increase	C
20010	capind	Main - Cash Flow Parameters - Pension Benefits Capitalised or Spread	C
20011	DIDMethod	Main - Cash Flow Parameters - Death in Defer Method	C
20012	DIDPAGE	Main - Cash Flow Parameters - Pension Age	T
20013	DIDLAGE	Main - Cash Flow Parameters - Lump Sum Age	T
20014	Umethod	Main - Cash Flow Parameters - Underpin Method	C
20015	URAGE	Main - Cash Flow Parameters - Retirement Age	T
20016	UWAGE	Main - Cash Flow Parameters - Leaving Age	T
20017	AltSw	Main - Alternate Benefits - Alternate Slices Method	C
20018	IndSlices	Main - Additional Benefits - Independent Slices	C
20019	FinDefault	Financial - Overall - Financials Set	C
20020	IR	Financial - Interest Rate Assumptions - Pre Retirement Interest Rate	Y
20021	pi	Financial - Interest Rate Assumptions - Post Retirement Interest Rate	Y
20022	SWindic	Financial - Interest Rate Assumptions - Switch	C
20023	SALINC	Financial - Salary Overall Parameters - Salary Increase Rate	Y
20024	SALREV	Financial - CARE Parameters - Revaluation Rate	Y
20025	REVIND	Financial - CARE Parameters - Timing of Revaluations	C
20026	REVDAT	Financial - CARE Parameters - Review Date (DD/MM)	C
20027	REVRAT	Financial - Deferred Revaluation - Rate	N
20028	AUXREVRAT	Financial - Deferred Revaluation - Rate 2	N

BasisItemID column is linked to the BasisData Table (shown above).

BasisItemName column is the unique identifier name for each field in the basis files.

BasisItemDesc column is the description of the Page Name > Frame Name and Field Name where the particular fields are found on the SuperVal basis files.

BasisItem Type column describes if that particular field is a Number (“N”), Character (“C”) or a Date (“D”), etc. More of these characters are described in the BasisType Table.

2.3 BenefitAssumptions Table

ResultsCate	ClassName	Contingency	StartYear	PastService	BenefitBasi	BenefitType	InterestSwi	PreInterestI	PreInterest	PreInterest	PreInterest	PreInterest	PreInterest	PostInterest
11	Active	3	0	0	Final Salary	1	-1	Pre Ret Int		6	6.5	5	0	
11	Active	2	-1	0	Final Salary	1	-1	Pre Ret Int		6	6.5	5	0	
11	Active	3	0	-1	Final Salary	1	-1	Pre Ret Int		6	6.5	5	0	
11	Active	2	-1	-1	Final Salary	1	-1	Pre Ret Int		6	6.5	5	0	
11	Active	3	0	-1		2	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	-1		2	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	3	0	-1		3	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	-1		3	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	3	0	-1	Final Salary	4	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	-1	Final Salary	4	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	3	0	-1	Final Salary	5	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	-1	Final Salary	5	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	3	0	-1	Final Salary	6	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	-1	Final Salary	6	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	3	0	0	Final Salary	7	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	0	Final Salary	7	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	3	0	-1	Final Salary	7	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
11	Active	2	-1	-1	Final Salary	7	-1	Pre Ret Int		6	6.5	5	0	Post Ret Int
12	Active	3	0	0	Final Salary	1	-1	Pre Ret Int		6	6.5	5	0	

This table is created when the Quick Scenario Module is run. It sets out the benefit assumptions used in the valuation run.

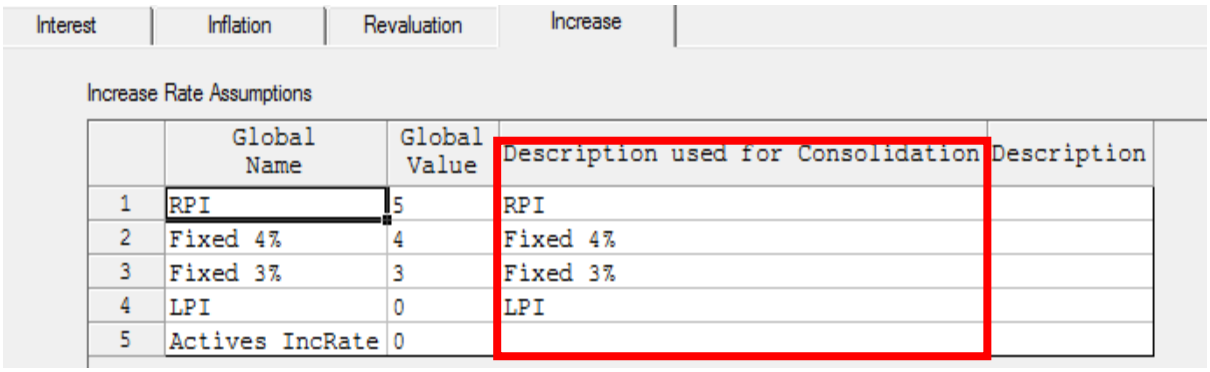
2.4 BenefitType Table

BenefitType	BenefitTypeName	Add New Field
16	Pension 3	
17	Pension 4	
18	Pension 5	
19	Pension 6	
20	Pension 7	
21	Pension 8	
22	Pension 9	
23	Pension 10	
24	Pension 11	
25	Pension 12	
26	Pension 13	
27	Pension 14	
28	Pension 15	
29	Pension 16	
30	Death in Deferment	
31	Non-Standard PUP	
32	Future Expenses	
33	Additional Liability	
34	PPF Post 2009	
98	All except GMP	
99	Both GMP	
101	LPI	
102	Fixed 3%	
103	RPI	
104	Fixed 4%	

BenefitTypeID column represents the different pension increases specified in the pension increase fields for Actives, Deferreds and Pensioners. In the consolidation database output file, the numbers increase from 101+ if the “Description used for Consolidation” fields under the “Increase” tab under the Scheme Financials have been populated. (Above example shows a screen print from the consolidation database. The corresponding “SVResultsDB.mdb” file will not have the 100+ entries. They will only be defined as 4 – Main, 5 – Special, 6 – PenInc3 and 7 – PenInc4.

BenefitTypeName column represents the names of the different pension increases. The 100+ onwards represent the names that have been specified 1n the “Description used for Consolidation” fields under the “Increase” tab.

The screen print below shows “Increase” tab under the Scheme Financials. This shows an example of the “Description used for Consolidation” fields being populated.



	Global Name	Global Value	Description used for Consolidation	Description
1	RPI	5	RPI	
2	Fixed 4%	4	Fixed 4%	
3	Fixed 3%	3	Fixed 3%	
4	LPI	0	LPI	
5	Actives IncRate	0		

2.5 CategoryAssumptions Table

ResultsCate	BasisCatego	Sex	SpouseCash	PropMarrTa	PropMarrTa	SpouseDefi	PensionFre	PensionMo	FirstYearInc
11	11	M	0		0	Retirement	Monthly	In Advance	Default
12	11	F	0		0	Retirement	Monthly	In Advance	Default
13	12	M	0		0	Retirement	Monthly	In Advance	Default
14	12	F	0		0	Retirement	Monthly	In Advance	Default
15	13	M	0		0	Retirement	Monthly	In Advance	Default
16	14	F	0		0	Retirement	Monthly	In Advance	Default
17	15	M	0		0	Retirement	Continuous		Default
18	15	F	0		0	Retirement	Continuous		Default

This table is created when the Quick Scenario Module is run. It sets out details of all the categories used in the valuation run.

2.6 CharMemberData Table

ResultsCate	MemberID	MemberDat	MemberAge	MemberVal	Add New Field
11	0	20006	0	A	
11	1	20001	75	1	
11	1	20003	75	1937/01/01	
11	1	20004	75	1974/12/02	
11	1	20005	75	1974/01/10	
11	1	20011	75	1972/09/09	
11	2	20001	74	2	
11	2	20003	74	1938/01/02	
11	2	20004	74	1974/01/01	
11	2	20005	74	1974/01/10	
11	2	20011	74	1971/11/10	
11	3	20001	73	3	
11	3	20003	73	1939/01/03	
11	3	20004	73	1974/01/28	

The ResultsCategoryID is generated depending on the number of categories run in Actives, Deferreds and Pensioners.

MemberID column represents whether the member is an Active, a Deferred or a Pensioner.

MemberDataID column represents the particular fields populated in the basis files.

MemberAge column represents the age of the member. This data will be used for summarising by age results.

MemberValue column represents the name of the member, the data of birth, date joined scheme, date joined fund, date pension commenced etc.

2.7 Contingency Table

Contingency	ContingencyName	Add New Field
1	Voluntary Early Retirement	
2	NRA (or later) Retirement	
3	Death in Service	
4	Ill Health	
5	Leaving Service	
6	Death in Deferment	
7	Death after Voluntary Early Retirement	
8	Member Future Contributions	
9	Employer Future Contributions	
10	Employer new Deficit Contributions	
11	Employer 1% Future Contributions	
12	Death after NRA (or later) Retirement	
13	Death after Ill Health Retirement	
14	Death after Leaving Service	
15	Scheme Fee	
16	Per Member (inflated)	
17	Additional	
18	Entrant	
19	Survivor	
20	Unspecified	
21	Late Retirement	
22	Death after Late Retirement	
23	Death in Service after NRA	
24	PHI	
25	Death during PHI	
26	Retirement after PHI	
27	Death after PHI Retirement	
99	All Retirement	

This table lists out the different contingencies present in SuperVal e.g. Ill Health, Death in Service etc.

2.8 DataItem Table

DataItemID	DataItemName	Add New Field
1	Record Count	
2	Past Scheme Membership	
3	Past Company Service	
4	Future Service to NRD	
5	Salary	
6	Salary for Member Conts	
7	Salary for Company Conts	
8	Member Contributions with Interest	
9	Deferred Pension	
10	Pension	
11	For Life Benefit Amount at DoV	
12	Cashflow	
13	Liability	
14	Future Value of Accrued Benefits	
15	Temporary Benefit Amount at DoV	
16	Expenses	
17	Remaining Service Life	
18	Total Scheme Membership	
19	Total Company Service	
20	Age at Entry to Company	
21	Age at Entry to Scheme	
22	Total Pension	
23	Accrued Pension	
24	Capped Benefits Flag	
25	Pension at NRA	
61	Memb Conts Sal x Remaining Service Life (Grouped)	
62	Memb Conts Sal x Past Co. Service (Grouped)	
63	Memb Conts Sal x Past Scheme Mship (Grouped)	
64	Memb Conts Sal x Total Co. Service (Grouped)	

This table gives a list of the data items such as the accrued pension, total pension, etc which will be used in the “ResultsData” table.

DataItemIDs 61 to 78 are only used when the member results are grouped by age.

2.9 FinancialGroups Table

BasisCatego	FinancialsID	FinancialsSavedDe	FinancialsTimeStamp	ScenarioSavedDesc	ScenarioTimeStamp
11	1	2016 Assumptions	20/02/2019 10:54:00	Primary Basis	
12	1	2016 Assumptions	20/02/2019 10:54:00	Primary Basis	
13	1	2016 Assumptions	20/02/2019 10:54:00	Primary Basis	
14	1	2016 Assumptions	20/02/2019 10:54:00	Primary Basis	
15	1	2016 Assumptions	20/02/2019 10:54:00	Primary Basis	
16	1	2016 Assumptions	20/02/2019 10:54:00	Primary Basis	
17	2	2016 Assumptions	20/02/2019 10:54:00	Financials	20/02/2019 10:55:00
18	2	2016 Assumptions	20/02/2019 10:54:00	Financials	20/02/2019 10:55:00
19	2	2016 Assumptions	20/02/2019 10:54:00	Financials	20/02/2019 10:55:00
20	2	2016 Assumptions	20/02/2019 10:54:00	Financials	20/02/2019 10:55:00
21	2	2016 Assumptions	20/02/2019 10:54:00	Financials	20/02/2019 10:55:00
22	2	2016 Assumptions	20/02/2019 10:54:00	Financials	20/02/2019 10:55:00
23	3	2016 Assumptions	20/02/2019 10:54:00	Financials + Mortality	01/11/2018 13:48:00
24	3	2016 Assumptions	20/02/2019 10:54:00	Financials + Mortality	01/11/2018 13:48:00
25	3	2016 Assumptions	20/02/2019 10:54:00	Financials + Mortality	01/11/2018 13:48:00
26	3	2016 Assumptions	20/02/2019 10:54:00	Financials + Mortality	01/11/2018 13:48:00
27	3	2016 Assumptions	20/02/2019 10:54:00	Financials + Mortality	01/11/2018 13:48:00
28	3	2016 Assumptions	20/02/2019 10:54:00	Financials + Mortality	01/11/2018 13:48:00

This table shows the financial assumptions, the description and timestamps of when the scenarios were saved for the Accurate Scenario Module.

2.10 FinancialValues Table

FinancialsID	FinancialsType	FinancialsName	FinancialsV	FinancialsSc	FinancialsCa	FinancialsCc	FinancialsCc	FinancialsGr	FinancialsDe
1	Interest	Post Ret Int	4					post ret	15Yr Gilts
1	Interest	Pre Ret Int	6					pre ret	15Yr Gilts+2%
1	Inflation	Sal Inc	4					Sal Inc	
1	Inflation	Sal Inc - CPI+2%	3						
1	Inflation	CPI (0,5)	2						
1	Inflation	Earnings Cap Inc	1						
1	Revaluation	Revaluation 1	3.5					Rev 1	
1	Revaluation	Revaluation 2	2					Rev 2	
1	Revaluation	Revaluation 3	3					CPI 5 MAX	
1	Increase	Pre97 Pen Inc	2.95				LPI	LPI	
1	Increase	Post97 Pen Inc	3.5				CPI	CPI	
1	Increase	Post09 Pen Inc	2.2				RPI	RPI	
1	Increase	Post10 Pen Inc	2.2				RPI	RPI	
1	Increase	Pre88 GMP Pen Inc	0				Fixed 0%	Fixed 0%	
1	Increase	Post88 GMP Pen Inc	1.8				Fixed 3%	Fixed 3%	
2	Interest	Post Ret Int	4					post ret	15Yr Gilts
2	Interest	Pre Ret Int	6					pre ret	15Yr Gilts+2%
2	Inflation	Sal Inc	4					Sal Inc	

This tables shows the values of the scenario used for the Accurate Scenario Module. It also shows the new financial groups for the Quick Scenario module.

2.11 Identification Table

SVVersion	BespokeVer	Scheme	DataBaseTy	Consolidati	ConsolidRu
9.03	6	Regression	Client		
*					

This table summarises the version of SuperVal you are running and also sets out the Name of the Scheme being run. If a consolidation run has been completed, the name of the consolidation file and the date it was run will be populated in the consolidation database.

The ConsolidationID and the ConsolidRunData columns will not be populated in the SVResultsDB.mdb output file.

2.12 LiabilityType Table

LiabilityTyp	LiabilityTypeName	*Add New Field*
1	Past Service	
2	Future Service	
3	Discontinuance	
4	Past Service Cashflow	
5	Discontinuance Cash Flow	
6	PV Future Contributions	
7	Data Item	
8	Full Cashflow	
9	Value of Accrued Benefits	
10	Actuarial Value of Accrued Benefits	
11	Actuarial Value of Emerging Benefits	
12	PV Future Expenses	
13	Demographics	

This table gives a list of the liability items such as the past service, cashflows, etc which will be used in the ResultsData table (shown in 2.14 below).

2.13 MemberFields Table

MemberDat	MemberDat	MemberDat	MemberDat	*Add New Field*
20001	Member's Nan	fNAME	C	
20002	No Of Membei	fNOM	N	
20003	Date Of Birth	fDOB	D	
20004	DoJ Company	fDJS	D	
20005	DoJ Scheme	fDJF	D	
20006	Salary Frequer	fsalfreq	V	
20007	Current Salary	fSAL	N	
20008	Acc Conts	fACW	N	
20009	Pre 1988 GMP	fGMP0	N	
20010	Post 1988 GMP	fGMPE0	N	
20011	qTRANSDATE	fqTRANSDATE	D	
20012	qSALARY1	fqSALARY1	N	
20013	qSALARY2	fqSALARY2	N	
20014	qSALARY3	fqSALARY3	N	
20015	qSALARY4	fqSALARY4	N	
20016	qMPUFUND	fqMPUFUND	N	
20017	qCONTDATA	fqCONTDATA	N	
20018	qFIXEDPUP	fqFIXEDPUP	N	
20019	qADDEDYRS	fqADDEDYRS	N	
20020	qADDEDMTHS	fqADDEDMTHS	N	
20021	qMIN	fqMIN	N	
20022	qMAX	fqMAX	N	
20023	qMSARATE	fqMSARATE	N	
20024	qSPPERC	fqSPPERC	N	
20025	qMORTRATE	fqMORTRATE	N	
20026	qCOMM	fqCOMM	N	
20027	qSTART_AGE	fqSTART_AGE	N	
20028	qEND_AGE	fqEND_AGE	N	

The table shows all the standard and user defined fields that are populated in the Actives, Deferreds and Pensioners modules.

To ensure unique numbering the Pensioners start at 0, the Deferreds start at 10,000 and the Actives will start at 20,000.

2.14 MemberResults Table

ResultsCate	MemberID	BenefitType	Contingency	LiabilityTyp	DataItemID	MemberAge	MemberYea	MemberVal
11	1	0	0	7	1	75	0	1
11	1	0	0	7	2	75	0	30
11	1	0	0	7	3	75	0	29
11	1	0	0	7	5	75	0	147165
11	1	0	0	7	6	75	0	46410
11	1	0	0	7	7	75	0	46410
11	1	0	0	7	8	75	0	50250
11	1	0	0	7	18	75	0	30
11	1	0	0	7	19	75	0	29
11	1	0	0	7	20	75	0	38
11	1	0	0	7	21	75	0	37
11	1	0	0	7	22	75	0	11589.93125
11	1	0	0	7	23	75	0	6746.564583
11	1	1	2	1	13	75	0	-144467.373
11	1	1	2	3	14	75	0	-144467.373
11	1	2	2	1	13	75	0	-1096.466713
11	1	2	2	3	14	75	0	-1096.466713
11	1	2	12	1	13	75	0	-19.57115741
11	1	2	12	3	14	75	0	-19.57115741
11	1	3	2	1	13	75	0	-17084.13676
11	1	3	2	3	14	75	0	-17084.13676
11	1	3	12	1	13	75	0	-304.9397904
11	1	3	12	3	14	75	0	-304.9397904
11	1	5	2	1	13	75	0	-276671.9266

The first six columns have been explained in the above tables.

MemberYear column represents the year following the valuation year.

MemberValue column represents the SuperVal calculation such as the past service liability, future service liability. If the total liability is required then the user will be required to sum the past service liability and future service liability.

This table DOES NOT give individual member liabilities/cashflows

2.15 NumMemberData Table

ResultsCate	MemberID	MemberDataID	MemberAge	MemberValue
11	1	20012	75	49667
11	1	20013	75	44649
11	1	20014	75	77482
11	1	20015	75	20986
11	1	20016	75	48001
11	1	20017	75	2.6
11	1	20018	75	0
11	1	20019	75	0
11	1	20020	75	0
11	1	20021	75	1864
11	1	20022	75	7628
11	1	20023	75	0.013311
11	1	20024	75	67
11	1	20025	75	20
11	1	20026	75	20
11	1	20027	75	61
11	1	20028	75	73
11	2	20002	74	1
11	2	20007	74	48221
11	2	20008	74	6119
11	2	20009	74	288
11	2	20010	74	316
11	2	20012	74	49700
11	2	20013	74	63451
11	2	20014	74	71529
11	2	20015	74	84665
11	2	20016	74	75049
11	2	20017	74	2.5
11	2	20018	74	1270
11	2	20019	74	1

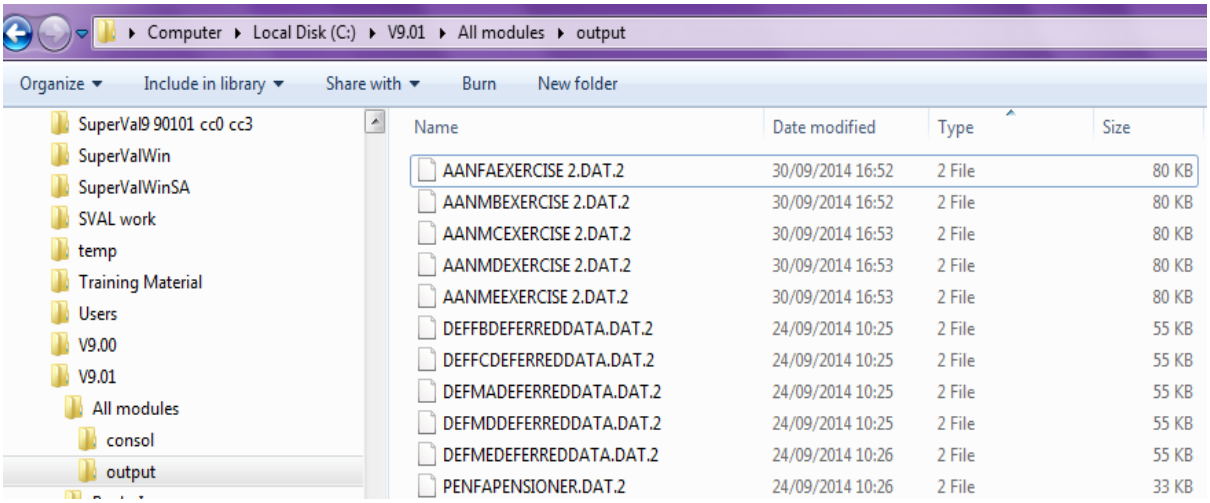
This table stores the members' numeric data items such as the salaries, GMP values, pension values etc. These data items are those that have been brought into SuperVal in the original data files (.csv files).

2.16 OutputFile table

OutputFile

OutputFilename	OutputExte	Add New Field
AANFAEXERCISE 2.DAT	2	
AANMBEXERCISE 2.DAT	2	
AANMCEXERCISE 2.DAT	2	
AANMDEXERCISE 2.DAT	2	
AANMEEXERCISE 2.DAT	2	
DEFFBDEFERREDDATA.DAT	3	
DEFFCDEFERREDDATA.DAT	3	
DEFMADEFERREDDATA.DAT	3	
DEFMDDEFERREDDATA.DAT	3	
DEFMEDEFERREDDATA.DAT	3	
PENFAPENSIONER.DAT	3	
PENMAPENSIONER.DAT	3	

The table lists down all the text files that have been created when running the valuation run. The files beginning with AAN are the Attained Age Normal runs for Actives module. The files beginning with DEF are the ongoing runs for Deferreds module. The files beginning with PEN are the ongoing runs for the Pensioners module. The number in the OutputExtension column is the number that follows the text file names. These files are found in the output folder in you Windows Explorer.



2.17 ResultsCategory Table

ResultsCate	ClassID	BasisCatego	Sex	ValuationDa	ValnMethoc	ControlPeri	IncInsured	BenCap	BasisFile
11	1	1	M	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
12	1	2	M	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
14	1	3	M	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
15	1	3	F	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
16	1	4	M	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
17	1	4	F	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
18	1	5	M	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
19	1	5	F	01/01/2012	AAN	100	0	0	C:\V9.01\GAD
20	1	6	M	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
21	1	6	F	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
22	1	7	M	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
23	1	7	F	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
24	1	8	M	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
25	1	8	F	01/01/2012	PUC	1	-1	0	C:\V9.01\GAD
26	1	2	F	01/01/2012	AAN	100	0	0	C:\V9.01\GAD

The ClassID column is represented as below:

1 – Active member

2 – Active New Entrant member

3 – Deferred member

4 – Pensioner member

This table also sets out all the details of the valuation runs that have been carried out in the batch run. It will list:

- The categories that have been valued for each module.
- The types of valuation runs that has been run
- The valuation date
- The control period (affects only Actives)
- The benefit is insured (affects only Actives)
- The basis file used for different modules.
- The time stamp the basis file was last saved.
- The basis description
- The data file that was used for the valuation.
- The time stamp the data file was last saved.
- All the parameters set in the batch parameters tab when setting up the batch run.

2.18 ResultsData Table

ResultsCate	BenefitType	Contingency	LiabilityTyp	DataItemID	SVAge	SVYear	SVValue
11	0	0	7	1	17	0	5
11	0	0	7	1	18	0	11
11	0	0	7	1	19	0	3
11	0	0	7	1	20	0	4
11	0	0	7	1	21	0	3
11	0	0	7	1	22	0	3
11	0	0	7	1	23	0	3
11	0	0	7	1	24	0	3
11	0	0	7	1	25	0	3
11	0	0	7	1	26	0	2
11	0	0	7	1	27	0	3
11	0	0	7	1	28	0	3
11	0	0	7	1	29	0	3
11	0	0	7	1	30	0	2

The ResultsCategoryID column is linked to the Results Category Table (shown above). The ResultsCategoryID is generated depending on the number of categories run in Actives, Deferreds and Pensioners.

The BenefitTypeID column represents the different pension increases specified in the pension increase fields for Actives, Deferreds and Pensioners. In the consolidation database output file, the numbers increase from 101+ if the “Description used for Consolidation” fields under the “Increase” tab under the Scheme Financials have been populated. The corresponding “SVResultsDB.mdb” file will not have the 100+ entries. They will only be defined as 4 – Main, 5 – Special, 6 – PenInc3 and 7 – PenInc4.

The ContingencyID column represents the different modes of exits used in the valuation run. For e.g. if Ill Health benefits has been defined in your Actives basis file then the ContingencyID 4 will be populated in the above table and you will see some cashflows (SVValue amounts) against it.

The LiabilityTypeID column represents the types of liabilities generated by SuperVal such as cashflows, past service liability, accrued benefits.

The DataItemID column represents the data items such as the accrued pension, total pension, etc.

The SVAge column represents the age of the member as at valuation date. If SVAge is 0 that could be because there is a child pensioner aged 0 being valued or SuperVal is valuing a Scheme Level Liability.

The SVYear column represents the year after the valuation date.

The SVValue is the annual cashflow of the benefit being valued.

2.19 TableNames Table

BasisCatego	TableID	TableName	TableTimeStamp
1	1	EX500 - GROUP LIFE TABLE	27/08/1992 11:37:00
1	2	EX998 - Age Plus 3	27/01/2005 11:45:00
1	3	EX999 - RATE EQUALS AGE	26/11/2004 14:14:00
1	4	D027 - AM92	18/06/2012 15:59:00
1	5	D028 - AF92	18/06/2012 16:01:00
1	6	D021 - PNMA00	18/06/2012 15:46:00
1	7	D024 - PNFA00	18/06/2012 15:47:00

This table shows all the decrement rate tables and mortality improvement tables used in the valuation runs. It also shows when the tables were last amended/saved in SuperVal.

2.20 TableValues Table

TableID	TableAge	TableDurati	TableValue
39	60		0.82
39	61		0.86
39	62		0.9
39	63		0.94
39	64		0.98
39	65		1
39	66		1
39	67		1
39	68		1
39	69		1
39	70		1
39	71		1
39	72		1
39	73		1
39	74		1
39	75		1
40	50		0.81
40	51		0.83

This table shows the values of all the rate tables at each age, used in the valuation.

3 ALM LDI Module

3.1 AltScenData Table

ResultsCate	BenefitType	Contingency	FSAccrual	YearIntoPay	SVYear	SVValue
1	1	3	0	1	1	-3586.884915
1	1	3	0	2	2	-3921.192239
1	1	3	0	3	3	-4269.545223
1	1	3	0	4	4	-4556.170566
1	1	3	0	5	5	-4947.663689
1	1	3	0	6	6	-4763.714922
1	1	3	0	7	7	-5189.371957
1	1	3	0	8	8	-5156.688019
1	1	3	0	9	9	-1385.748615
1	1	3	0	10	10	-1174.736911
1	1	3	0	11	11	-1304.867472
1	1	3	0	12	12	-1459.493712

The ResultsCategory column describes whether the results are from Actives, Deferreds or Pensioners.

The BenefitTypeID column describes the pension increases. If the “Description used for Consolidation” fields were populated e.g. RPI, LPI then those will be valued as 100+ integers.

The ContingencyID column describes the different modes of exits such as retirement, death in service, ill health etc.

The FSAccrual column describes the future service accrual (Actives only).

The YearIntoPayment column describes the year the benefit came into payment.

The SVYear column shows the year the benefit shown in SVValue is payable. It is the number of years since the valuation date.

The SVValue column shows the projection of annual benefit cashflows.

Note

The AltScenData table will only get populated if you have the ALM/LDI Interface option in your SuperVal package. This is an extra module which a client can purchase

4 AOS Module

4.1 AOSClass Table

AOSClassID	AOSClassName	Add New Field
1	Active Starter Ender	
2	Active New Entrant Ender	
3	Active Starter Exit	
4	Active New Entrant Exit	
5	Deferred Starter Ender	
6	Deferred New Entrant Ender	
7	Deferred Starter Exit	
8	Deferred New Entrant Exit	
9	Pensioner Starter Ender	
10	Pensioner New Entrant Ender	
11	Pensioner Starter Exit	
12	Pensioner New Entrant Exit	

This table describes the class of member being valued for e.g. an active member who was present in the last valuation and is present in the current valuation as well.

4.2 AOSItem Table

AOSItemID	AOSItemName
1	Expected Reserve at Previous Valuation/Entry
2	Expected Reserve at Current Valuation/Exit
3	Expected NRA or later Retirement Release
4	Expected Voluntary Early Retirement Release
5	Expected Death In Service Release
6	Expected Ill Health Release
7	Expected Leaving Service Release
8	Expected Death In Deferment Release
9	Expected Death after NRA or later Retirement Release
10	Required Employer Future Contributions
11	Expected Member Future Contributions

This table represents the names of the expected benefits calculated in SuperVal.

4.3 AOSMember Table

ResultsCate	MemberID	AOSClassID	AOSConting	AOSAge	AOSItemID	AOSValue
11	1	9		71	1	59147.03841
11	1	9		71	2	60883.86324
11	1	9		71	9	3741.026275
11	1	9		71	15	17533.35592
11	1	9		71	17	17450.09159
11	1	9		71	25	501.8773977
11	1	9		71	31	2422.814514
11	1	9		71	32	57335.31149
11	1	9		71	38	17533.35592
11	1	9		71	45	2422.814514
11	2	9		65	1	56845.69746
11	2	9		65	2	59655.1871
11	2	9		65	9	2091.057131
11	2	9		65	15	14349.71986
11	2	9		65	17	16771.12928
11	2	9		65	25	279.7310656
11	2	9		65	31	1982.707975
11	2	9		65	32	56146.8223
11	2	9		65	38	14349.71986
11	2	9		65	45	1982.707975

The ResultsCategoryID column is linked to ResultsCategory Table described above (2.13).

The MemberID column is linked to the MemberFields Table described above (2.9).

The AOSClassID column is described in the table above (4.1)

The AOSContingency column describes the different contingencies. The cell for members who are Enders will be blank.

The AOSAge column describes the age of the member being valued.

The AOSDataItem column is linked to the AOSItem Table which is described above (4.2).

The AOSValue column is the liability calculated by SuperVal.

4.4 AOSResults Table

ResultsCate	AOSTypeID	AOSItemID	AOSValue
11	1	1	494529.8829
11	1	2	510864.6395
11	1	9	18470.08761
11	1	15	130844.3716
11	1	17	144313.2735
11	1	25	2478.747318
11	1	31	18129.86103
11	1	32	485187.0378
11	1	38	130844.3716
11	1	45	18129.86103
11	2	1	0.00001
11	3	1	0.00001
11	4	1	0.00001
11	5	1	40112.14612
11	5	2	41545.64938
11	5	9	309.2917707
11	5	15	4768.689223
11	5	17	11834.24636
11	5	18	5036.831301
11	5	25	63.11088476
11	5	31	977.1836975
11	5	32	41035.95338
11	5	38	4768.689223
11	5	39	4975.037761

The ResultsCategoryID column is linked to ResultsCategory Table described above (2.13).

The AOSTypeID column is linked to the AOSType Table that is described below (4.5).

The AOStemID column is linked to the AOSItem Table which is described above (4.2).

The AOSValue column is the liability calculated by SuperVal.

4.5 AOSType Table

AOSType

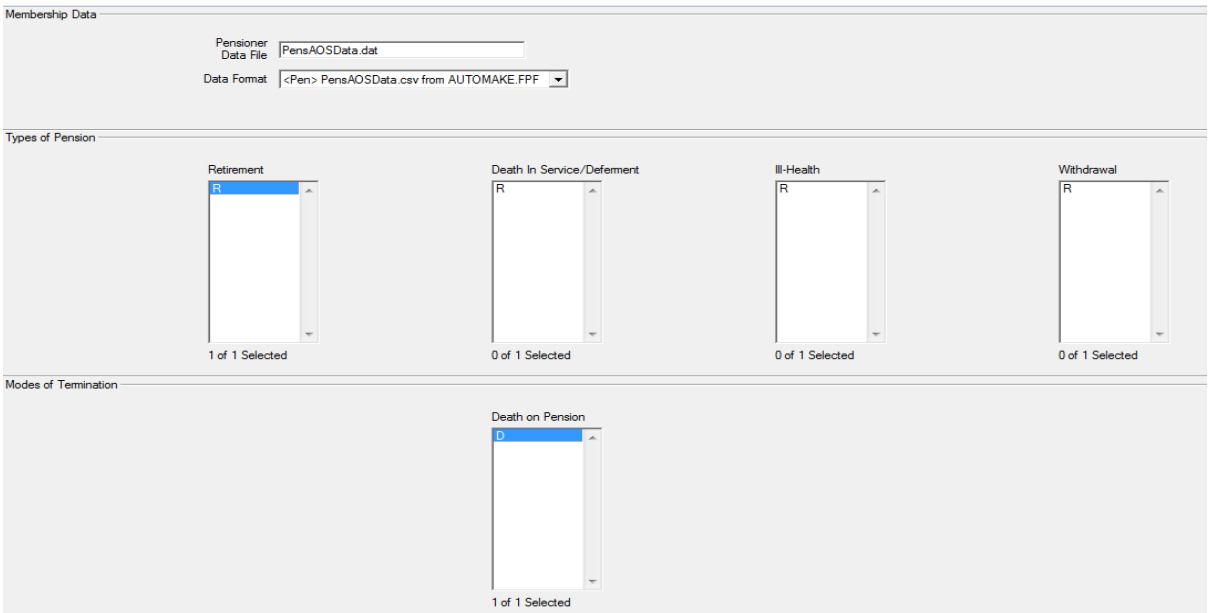
AOSTypeID	AOSClassID	AOSPenTyp	AOSExitCode	AOSContingencyID
1	9	R		
2	10	R		
3	11	R		20
4	12	R		20
5	11	R	D	14
6	12	R	D	14
20001	1			
20002	2			
20003	3			20
20004	4			20
20005	3		R	1
20006	4		R	1

The AOSTypeID column is linked to the AOSResults table described above (4.4).

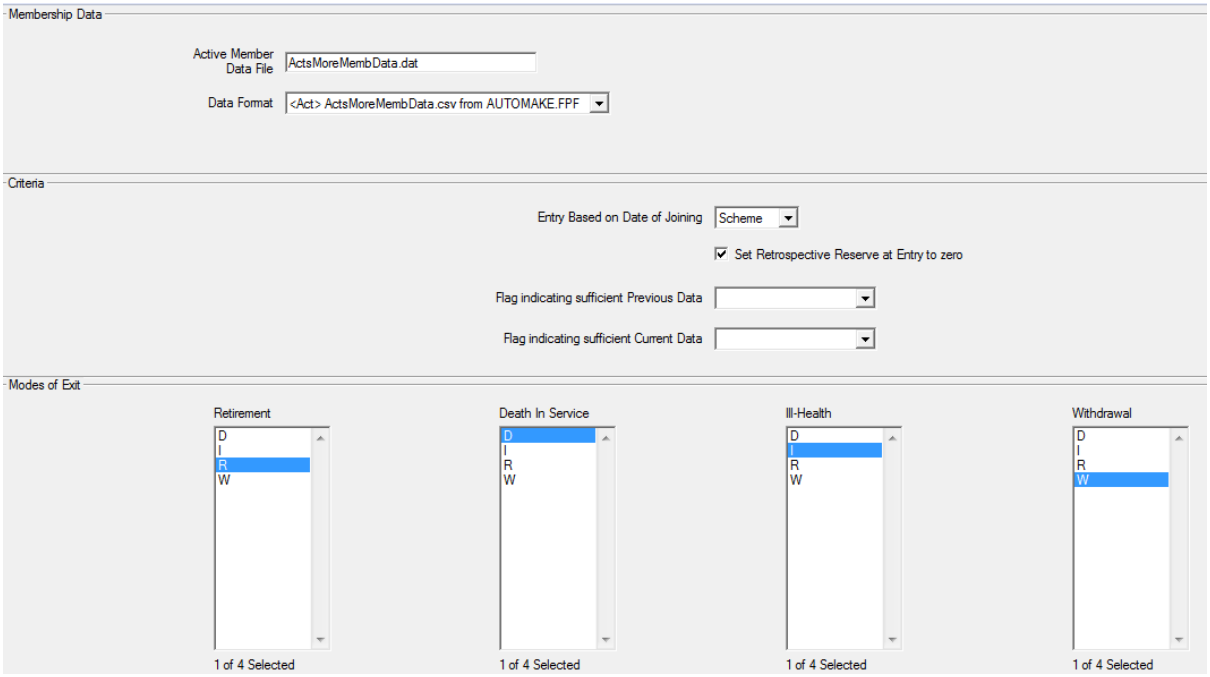
The AOSClassID column is described in the AOSClass table above (4.1).

The AOSContingency column describes the different contingencies.

The AOSPensType column described the character that represents the types of pension populated in the Analysis of Surplus Global Parameters under Pensioners Parameters. Actives and Deferreds cells will be blank for this column. Below is an example where these characters are populated in the Analysis of Surplus Global Parameters.



The AOSExitCodes column represents the character that describes the modes of exit for a particular member. Below is an example of an Active module that shows the modes of Exit being populated in the Analysis of Surplus Global Parameters under Actives Parameters.



Note

The AOS tables will only get populated if you have the AOS option in your SuperVal package. This is an extra module which a client can purchase