

U.S. GAAP & IFRS: Today and Tomorrow Sept. 13-14, 2010

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Traditional Products – Under GAAP – Part I

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Agenda

- Overview of Traditional Products Under ASC Topic 944 (FAS 60)
- Benefit Reserves
- Deferred Policy Acquisition Costs
- Assumptions
- Earnings Patterns
- Practical Issues





Overview of Traditional Products Under ASC Topic 944 (FAS 60) Long-duration vs. Short-duration Contracts (continued)

Long-duration

- Premiums from long-duration contracts are recognized as revenue when due from policyholders.
- The present value of estimated future policy benefits to be paid to or on behalf of policyholders less the present value of estimated future net premiums to be collected from policyholders are accrued when premium revenue is recognized.
- Those estimates are based on assumptions, such as estimates of expected investment yields, mortality, morbidity, terminations, and expenses, applicable at the time the insurance contracts are made.
- Claim costs are recognized when insured events occur.

Short-duration

- Premiums from short-duration contracts ordinarily are recognized as revenue over the period of the contract in proportion to the amount of insurance protection provided.
- Claim costs, including estimates of costs for claims relating to insured events that have occurred but have not been reported to the insurer, are recognized when insured events occur.

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Benefit Reserves

All material policy-related obligations are reserved for:

- Death benefits
- Health benefits
- Surrender benefits
- Endowments
- Policy-related maintenance expenses
- Policyholder dividends (for stock companies)

Benefit Reserves (cont	inued)		
Benefit Net Premium			
Benefit Net Premium = The portion o and maintenance expenses	f gross premi	ums required to provide for all benefits	
	Year 1	Year 5	
Gross Premium	1,000	650	
PV Benefits & Maintenance Expense = 4,847 / 6,606 = 73.4%	s/PV Premiur	ns (at issue)	
x Gross Premium = Net Premium	734	477	
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Benefit Reserves (continued))	
Prospective View	Year 1	Year 5
PV of benefits & maintenance expenses	4,777	4,120
– PV of net premiums	(4,360)	(2,980)
= Benefit Reserve	417	1,140
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Benefit Reserves (co	ontinued)		
Retrospective View			
	Year 1	Year 5	
Reserve B.O.Y.	0	1,065	
+ Benefit Net Premium	734	477	
 Maintenance Expenses 	(100)	(65)	
+ Interest	38	89	
 Expected Benefits 	(255)	(426)	
= Reserve E.O.Y.	417	1,140	
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Deferred Policy Acquisition Costs (DPAC or DAC)

- Costs that vary with and are primarily related to the acquisition of insurance contracts (acquisition costs) are capitalized and charged to expense in proportion to premium revenue recognized
- The balance sheet asset labeled DAC represents the unamortized balance of deferrable acquisition expenses

DAC Amortization Rate

DAC Amortization Rate = The percentage of gross premiums (calculated at issue) required to provide for deferred policy acquisition expenses

PV of Deferrable Expenses	1,300
PV of Gross Premiums	6,606
Amortization Rate	19.7%

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DAC Amortization = The portion of gross premiums required to provide for deferrable acquisition expenses Mathematication Rate 19.7% DAC Amortization Rate 19.7% 1000 650 = DAC Amortization 197 1000 650

DAC	Rollforward
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	Year 1	Year 5
Beginning DAC	0	882
+ Deferrable expense	1,300	0
 DAC amortization 	(197)	(128)
+ Interest accrual	66	45
= Ending DAC	1,169	799

Prospective View of	DAC		
Prospective View			
	Year 1	Year 5	
PV expense charges	1,169	799	
 – PV deferrable expenses 	0	0	
= DAC	1,169	799	
	,		







Earnings Pattern (continue	d)		
Example (no PAD)			
	Year 1	Year 5	
GAAP Book Profit	(53)	48	
+Nondeferrable expenses, overhead	120	0	
+ Inv inc on above item	7	0	
= Adjusted Book Profit	74	48	
Adj Book Profit / Gross Prem	7.4%	7.4%	

Example	•
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Example	
	Percent of
	Gross Premium
Gross Premium	100.0%
- Benefits & maintenance expenses	(73.4)
- Charge for deferrable expenses	(19.7)
= Preliminary profit	6.9%
+ Investment income on prelim profit	0.5
= Adjusted Book Profit	7.4%





Static W	/orksheet Metl	nod – Examp	ole (i=0%)	
Yr	Def Exp	Premium	DAC	
1	1,000	1,000	750	
2	0	900	525	
3	0	800	325	
4	0	700	150	
5	0	600	0	
PV	1,000	4,000	(k = 25%)	
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Worksheet Method for DAC Calculation

- Based on estimates of future premiums as of issue date
- Based on actual deferrable expenses
- Simple to maintain and understand
- Introduces need to monitor and adjust regularly for lapse experience

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Loss Recognition and Recoverability – Assumptions Best estimate assumptions w/o PADs Do not include overhead expenses Once in loss recognition, these new best estimate assumptions are locked in