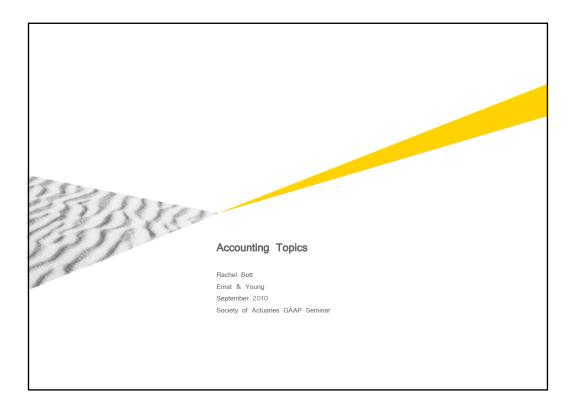


# U.S. GAAP & IFRS: Today and Tomorrow Sept. 13-14, 2010

**New York** 

**GAAP Accounting Topics** 

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# Topics

- ► Summary financial statements
- ▶ Income statement and balance sheet presentation
- Investments
- ► Reinsurance
- ► Emerging areas/Current events

## **Condensed US GAAP Balance Sheet December 31, 2010**

#### **Assets**

Debt securities, at fair value (cost 16.8)	\$ 15.2
Equity securities, at fair value (cost 9.1)	8.9
Other investments	 5.7
Total investments	29.8
Cash	4.9
Deferred acquisition costs (DAC)	1.6
Amounts recoverable from reinsurers	2.4
Separate account assets	 38.5
Total	\$ 77.2

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## **Condensed US GAAP Balance Sheet**

### Liabilities

Future policyholder benefits	\$ 13.6
Policyholder account balances	 20.1
Total insurance & investment contract liabilities	33.7
Separate account liabilities	 38.5
Total	72.2
Equity	
<b>Equity</b> Common stock	1.0
	1.0 3.5
Common stock	 

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Revenue	
Insurance premiums	1.1
Policy charges and fees	1.0
Net investment income	3.0
Realized gain (losses)	(0.2)
Total	4.9
Benefits and Expenses	
Policyholder benefits and change in reserves	2.2
Expenses (other than deferred acquisition costs)	1.6
Amortization of DAC	0.2
Total	4.0
Income before taxes	0.9
Tax expenses	0.3
Net Income	0.6

# Example

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### **Assumptions:**

Initial premium \$100

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Cost of Insurance charges \$5 at end of period

Investment yield 10% Crediting rate 8%

No benefits paid or expenses incurred

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# Accounting Entries – Short-duration and traditional long-duration (FAS 60\*) Debit/(Credit)

### To record premiums received:

Cash 100 Premiums (revenue) (100)

### To record investment income:

Cash 10 Investment income (revenue) (10)

#### To record reserves:

Change in reserves (expense) 103<sup>A</sup>
Future Policy Benefits (103)

<sup>A</sup> (100\*1.08)-\$5 COI

\* Codified in ASC 944, Financial Services - Insurance

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### **Accounting Entries**

Universal life-type and certain long-duration (FAS 97\*) Debit/(Credit)

### To record "premium":

Cash 100 Policyholder account balances (100)

### To record investment income:

Cash 10 Investment income (10)

### To record reserves:

Interest credited (expense) 8
Policy charges and fees (income) (5)
Policyholder account balances (net of 8-5) (3)

\* Codified in ASC 944, Financial Services - Insurance

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### **Summary Income Statement**

**FAS 60\* FAS 97\*** 

Revenue Revenue

100 Premiums Policy fees/charges Investment income 10 Investment income 10

**Expense** Expense

Policyholder benefits 103 Interest credited 8

> **Net Income** Net income 7

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# Summary Balance Sheet (End of year - Assume no beginning balances)

FAS 60\* **FAS 97\*** 

Assets Assets

Cash 110 Cash 110

Liabilities Liabilities

Future policyholder benefits 103 Policyholder account balances 103

**Equity Equity** 

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<sup>\*</sup> Codified in ASC 944, Financial Services - Insurance

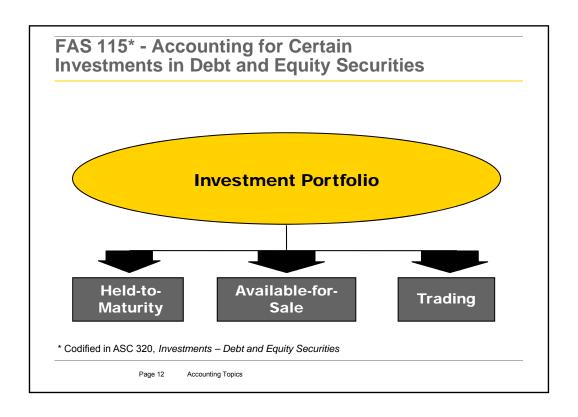
<sup>\*</sup> Codified in ASC 944, Financial Services - Insurance

# **Summary Financial Statements**

	FAS 60*	FAS 97*
Income statement		
Premiums	X	
Policy charges and fees		X
Investment income	X	X
Benefit expense	X	
Interest credited		Χ
Balance sheet		
Cash	X	X
DAC	X	X
Reserve for future policy benefits	Χ	
Policyholder account balances		X

<sup>\*</sup> Codified in ASC 944, Financial Services - Insurance

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# Summary of debt and equity securities

Classification	Carrying Amount	Treatment of Change in Value
Held to Maturity	Amortized Cost	N/A *
Trading	Fair value	Income
Available for Sale	Fair value	Unrealized: Equity* Realized: Income

<sup>\*</sup> Credit related impairments must be recognized in the income statement as a charge/loss.

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# Example

### Assume

- ▶ Book value at both beginning and end of year= \$100
- ► Coupon = 8%
- ► Market value BOY = \$102
- ► Market value EOY = \$95

# **Example (continued)**

	НТМ	AFS	Trading
BOY Investment	100	102	102
EOY Investment	100	95	95
Change	0	(7)	(7)
Investment income- coupon	8	8	8
Net income	8	8	1 (8-7)
Equity change	8	1	1

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# FAS 115\* Securities Acquisition Cost Adjustments (Shadow DAC)

**Concept:** Must offset equity changes caused by unrealized gains/losses by implied DAC effects

- Assume unrealized items realized
- ► Calculate effect on DAC
- Record as offset to unrealized gain/loss

Affects DAC driven by EGPs & EGMs only

(Note that FAS 60\*\* premium deficiency reserves also can be impacted by unrealized gains/losses)

- \* Codified in ASC 320, Investments Debt and Equity Securities
- \*\* Codified in ASC 944, Financial Services Insurance

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(From Prior Example) Market value- Beginning of year 102 Market value- End of year 95 7 Change in unrealized gain K Factor = 60% Dr. Other Comprehensive Income (Equity) 7 Cr. Investments Dr. DAC (7\*60%) 4.2 Cr. Other Comprehensive Income (Equity) (4.2)

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# Mortgage-Backed/Asset-Backed Securities

- ▶ Beneficial interests in securitized financial assets (formerly referred to as EITF 99-20\* securities):
  - ▶ Rights to receive all or portion of specified cash inflows
    - ▶ Senior or subordinated shares of interst, principal or other
    - Premiums due to guarantors
    - Commercial Paper obligations
    - Residual interests
  - Prospective approach
    - ► Recalculate effective yield (IRR) each period
    - ▶ IRR equates estimated future cash flows with amortized cost
    - If there has been an adverse change in estimated cash flows, an OTTI has occurred and the amount should be written down to fair value through income
- \* Codified in ASC 325-40, Investments Other Beneficial Interests in Securitized Financial Assets

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### Mortgage-Backed/Asset-Backed Securities

- Non-EITF 99-20 securities (Formerly referred to as FAS 91\* transactions)
  - Retrospective approach
    - ▶ Recalculate effective yield (IRR) each period
    - ▶ IRR equates actual and estimated future cash flows with original cost
    - Record current period "catch up" adjustment

\* Codified in ASC 310-20, Receivables - Nonrefundable Fees and Other Costs

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## **Commercial Mortgages and Real Estate**

### **Carrying value**

- Real estate & mortgage loans
  - ▶ Held for investment: cost less accumulated depreciation
  - ▶ Held for sale: Lower of depreciated cost or fair value (less selling expenses)
- Mortgage loans: Acquired loans acquisition cost (fair value at acquisition date)
   less unamortized premium/discount

#### **Impaired**

- Real estate
  - Held for investment: impaired when CV is greater than projected undiscounted cash flows
  - Held for sale: valuation allowance
- Mortgage loans:
  - Impaired when it is probable that a creditor will be unable to collect all amounts due according to the contractual terms
  - Consider valuation of collateral

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### **Derivatives\***

- ▶ All derivatives recorded on the balance sheet at fair value
- ► Hedge accounting available if requirements met
- ▶ If a cash flow hedge-record change in value in equity
- ▶ If a fair value hedge-record hedged item change in value in income
- ▶ If not hedge accounting-change in fair value recognized in earnings

\* Codified in ASC 815, Derivatives and Hedging Activities

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### **Income Taxes\***

- ▶ Deferred tax liability computed by applying tax rate to temporary differences between GAAP and tax balance sheet
- Deferred tax asset must be recoverable to avoid a valuation allowance

\* Codified in ASC 740, Income Taxes

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# **Examples of Temporary Differences**

- ► Investment valuation reserves
- Capital leases
- ▶ Deferred compensation
- ► Intangible assets
- DAC
- Depreciation
- ► Policy reserves
- ► Pension plan costs
- ► Other post retirement benefits

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# **Income Taxes - Example**

	GAAP	Tax	GAAP - Tax
DAC	100	50	50
Reserves	(800)	(780)	(20)
Net	(700)	(730)	30

DTL = 30\* 35% = 10.5

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### Reinsurance\*

- ▶ Gross up balance sheet for recoverable don't net with reserves
- ▶ Defer income recognition on indemnity reinsurance sale transactions (earnings process not complete)
- ► Financial reinsurance
  - Income statement impact = risk charges collected

\* Codified in the reinsurance contracts subsections of ASC 944, *Financial Services – Insurance* 

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### **Emerging Areas/Current Events**

- ▶ Definition of deferred acquisition costs
- ▶ IFRS convergence
  - Various standards
  - ▶ IASB and FASB project on insurance contracts

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