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### **Demystifying Ind AS 117**

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### Introduction



1	Demystifying Ind AS 117 – bridges to other frameworks
2	Selection of measurement models
3	Cash flow impacts
4	Interesting impacts of onerous contracts

## Building block approach to valuation



• RBC regimes, IFRS 17 and MCEV assess the insurance liabilities based on an economic balance sheet framework.



• Differences in methodology and parameters need to be identified and explained. For companies reporting under a Traditional Embedded Value (TEV) basis, it is also key to explain the differences between TEV and IFRS 17 frameworks to the management.



## Balance sheet view of MCEV – and the links to Ind AS 117



Ind AS balance sheet



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### The income statement for nonparticipating contracts





#### Net investment result

- Release of CSM and RA
  - Actual vs. Expected

- Book value Investment return
- vs. locked in investment return

#### Other Comprehensive Income

• Asset-liability management (market value basis)



# Selection of measurement model



## Building Block Approach to valuation





#### **Direct participation contracts**



- Contract terms must specify PH to share in returns of clearly defined pool of underlying items
- Entity expects to pay PH a substantial share of FV returns on underlying items
- Entity expects a substantial portion of any change in the amounts to be paid to the PH to vary with the change in FV of the underlying items.



For products with discretionary participation features, the policyholder's return is substantially linked to a pool of underlying items. The insurer's role in this product is often much more like that of a 'manager' of a fund, with the insurer taking a fee for providing services



### **Cash flow impacts**



#### Initial calibration







### Actual <> Expected mortality: Impact on income statement



PROJECTION YEAR	1	2	3	4	5	6	7	8	9	10	BASE CASE	
Insurance service result	1,322	1,140	1,081	957	941	925	908	892	876	858	SCENARIO	
Net Investment result	-	-	-	-	-	-	-	-	-	-	Actual	
IFRS net income	1,322	1,140	1,081	957	941	925	908	892	876	858	mortality =	
OCI	-	-	-	-	-	-	-	-	-	-	mortality	
								_				
PROJECTION YEAR	1	2	3	4	5	6	7	8	9	10	Actual mortality	
Insurance service result	1,322	884	1,080	957	941	925	908	892	876	858	in year $2 =$	
Net Investment result	-	-	-	Mortality profit is worse than expected in year 2								
IFRS net income	1,322	884	1,080 leading to a lower Insurance service result.									
OCI	-	-	-	<ul> <li>Insurance service result is slightly reduced in year 3</li> </ul>								
				as ac	tual resea	rve as at	end of y	ear 2 is l	ower tha	n in	assumption	
				base	case scei	nario.						
PROJECTION YEAR	1	2	3	4	5	6	7	8	9	10	Actual mortality	
Insurance service result	1,322	884	971	837	816	796	774	753	731	707	in year $2+=$	
Net Investment result	-	-		mnact in	vear 2 i	n compa	rison wit	th sensiti	vity 1 as		500% expected	
IFRS net income	1,322	884	change in mortality assumption is absorbed by the CSM.								mortanty	
OCI	-	-	Insu	rance set	rvice res	ult is red	uced fro	m year 3	onwards	s as the	Mortality	
			relea	assumption is								
			CSN	updated								
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### Actual <> Expected mortality: Impact on balance sheet



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change in assumption)



## Actual <> Expected investment income

BASE CASE SCENARIO											
YEAR	1	2	3	4+							
Actual IR	4%	4%	4%	4%							
Exp. IR / DR	4%	4%	4%	4%							

SENSITIVITY 1										
YEAR	1	2	3	4+						
Actual IR	4%	3%	3%	4%						
Exp. IR / DR	4%	4%	4%	4%						

	SENSITIVITY 2									
YEAR	1	2	3	4+						
Actual IR	4%	3%	3%	3%						
Exp. IR / DR	4%	4%	3%	3%						



### Actual <> Expected investment income

PROJECTION YEAR	1	2	3	4	5	6	7	8	9	10	
Insurance service result	1,322	1,140	1,081	957	941	925	908	892	876	858	
Net Investment result	-	-	-	-	-	-	-	-	-	-	
IFRS net income	1,322	1,140	1,081	957	941	925	908	892	876	858	
OCI	-	-	-	-	-	-				1	
							<ul> <li>Since the actual investment</li> </ul>				
PROJECTION YEAR 1 2 3 4 5 6				6	return is lower than the expected in years 2 and 3 the Net						
Insurance service result	1,322	1,140	1,081	957	941	925	Investment result becomes				
Net Investment result	-	(1,504)	(2,315)	-	-	-	negative.				
IFRS net income	1,322	(363)	(1,234)	957	941	925	סטע	892	870	000	
OCI	-	-	-	-	-	- 1		tment r	oturn ai	ad disco	unt r
							are u	odated i	in year	3, leadi	ng to
DDO JECTION VEAD	1	2	2	Λ	5	6	motor	ial nea	ative in	mact or	OC

PROJECTION YEAR	1	2	3	4	5	6
Insurance service result	1,322	1,140	1,081	957	941	925
Net Investment result	0	(1,504)	(2,315)	(2,442)	(2,432)	(2,423)
IFRS net income	1,322	(363)	(1,234)	(1,452)	(1,463)	(1,474)
OCI	0	0	(14,698)	2,392	2,390	2,388

- cate a material negative impact on year 3.
- In practice, this negative impact would be compensated by an increase in asset value



# Interesting impacts of onerous contracts







# Level of aggregation – minimum grouping



1. Onerous

2. Profitable

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3. Might become onerous

#### Exception

If there is a legal or regulatory restriction on entity's ability to reprice the product, then you can include in same group – for example PMJJBY?

#### Groups of contracts are the unit of measurement used in Ind AS 117

## Impact of onerous contracts – simple example



	NB Premium	VNB margin	VNB	CSM	First year CSM recognition	First year P&L
Total	1000	9.0%	90	90	10%	9
ULIP	500	-5%	-25	0	N/A	-25
Par	300	5%	15	15	10%	1.5
Non-par	200	50%	100	100	10%	10
Revised total	1000	9.0%	90	115		-13.5