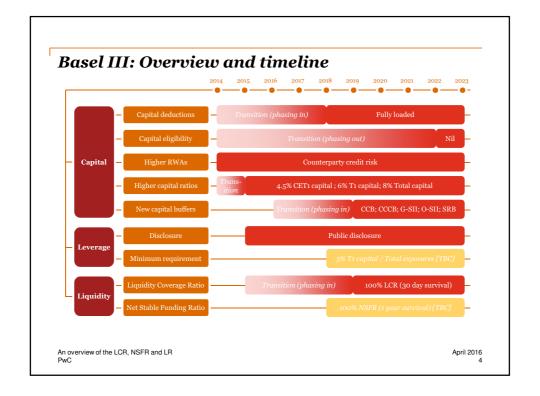


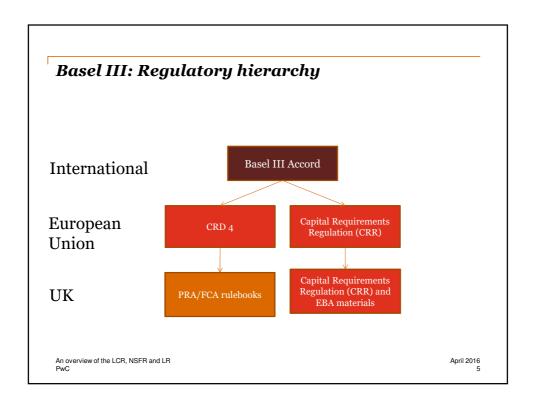
Agenda

- 1. Basel III overview where these ratios fit in
- 2. Leverage Ratio
- 3. Liquidity and Net Stable Funding
- 4. Interaction between the ratios

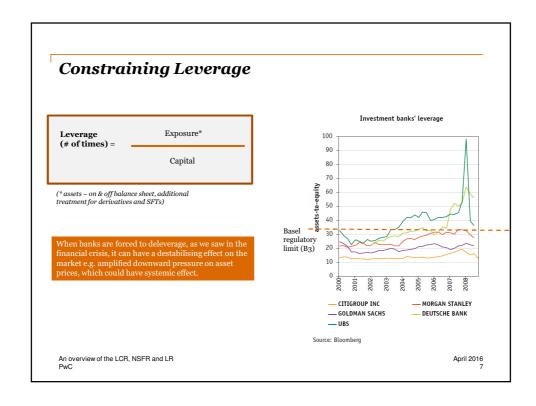
1. Basel III overview – where the ratios fit in

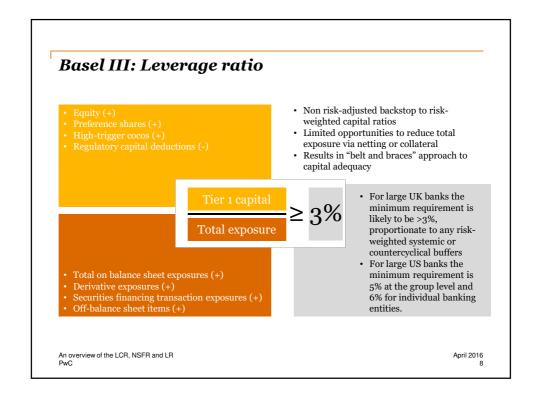
An overview of the LCR, NSFR and LR PwC





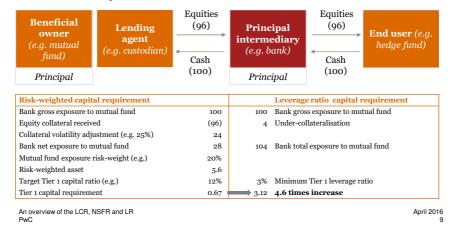
2. Leverage ratio An overview of the LCR, NSFR and LR PMC April 2016





Basel III: Impact on securities lending (example)

- Securities lending is typically short-term and well-collateralised, leading to relatively low risk-weighted capital requirements.
- As the leverage ratio is not risk-adjusted it can be much more punitive for securities lending transactions, as exemplified here.

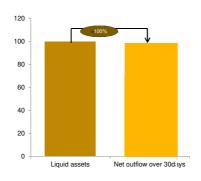


3. Liquidity & Net Stable Funding

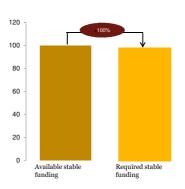
An overview of the LCR, NSFR and LR PwC

Basel III: Liquidity risk

LCR - Does the bank have sufficient high quality liquid assets to survive a short term liquidity stress for a period of 30 days?



NSFR – Does the bank have sufficient long term stable funding to fund its long term assets?



An overview of the LCR, NSFR and LR PwC

April 2016 11

From the credit crisis to LCR compliance...

September 2008

Principles for Sound Liquidity Risk Management and Supervision published by Basel Committee

Strengthening liquidity standards (including feedback on CPo8/22, CPo9/13, CPo9/14) published by FSA

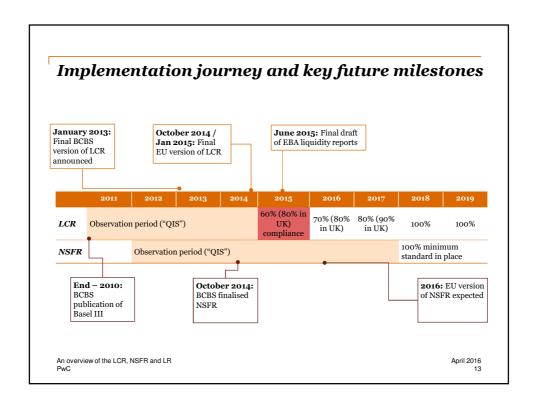
December 2010 / January 2013Basel III: The Liquidity Coverage Ratio and liquidity risk monitoring tools published by Basel Committee

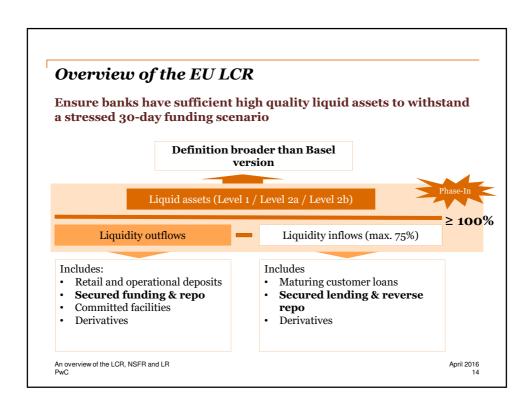
June 2013CRD IV and CRR published by the European Parliament and European Council

January - June 2015

Final EBA "Delegated Act" on LCR and PRA approach to liquidity supervision

An overview of the LCR, NSFR and LR PwC





EU LCR – Key features of liquid assets

- Three categories of liquid asset Level 1, Level 2A and Level 2B
- · Caps applicable to holdings of each asset type
- · Different stressed haircuts applicable for each category
- Strict qualitative and "operational requirements" for liquid assets, including:
 - Marketability, proven liquidity "deep and active markets"
 - Under control of liquidity management function (in stress)
 - Unencumbered
 - · Diversified

An overview of the LCR, NSFR and LR PwC

April 2016 15

EU LCR – Example liquid assets

Regulatory haircuts and caps encourage firms to hold highest quality, most liquid assets to cover stressed outflows

HQLA	Tier	Applicable cap	Haircut	
Cash, central bank deposits, high quality government bonds (inc. all EU gymts), supranational bonds	1 (a)	n/a	0%	
Covered bonds (Credit quality step 1)	1 (b)	70%	7%	
Covered bonds (CQS 2)	2A	40%	15% +	
Non-financial corporate bonds (CQS 1)	2A	40%	15% +	
Non-financial corporate bonds (CQS 2)	2B	15%	50%	
Major index equities	2B	15%	50%	
RMBS / auto loans	2B	15%	25%	
Financial corporate bonds / notes		Ineligible		
Gold		Ineligible		

An overview of the LCR, NSFR and LR PwC

EU LCR - Implications for securities lending

Arrival of LCR and complementary metrics has significantly shifted trader and Treasury behaviours

- LCR treated as a "binding minimum constraint" > Changes in trading behaviours
 - · Increase in HQLA lending
 - · Flight to quality
 - Term trades pushed out beyond (or brought inside) 30 day window
 - · Increased use of non-cash collateral
 - · Market uncertainty and shrinkage

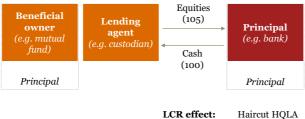
An overview of the LCR, NSFR and LR PwC

April 2016 17

EU LCR - Implications for securities lending

Arrival of LCR and complementary metrics has shifted trader and Treasury behaviours

Example: LCR effect of providing cash collateral vs low quality assets



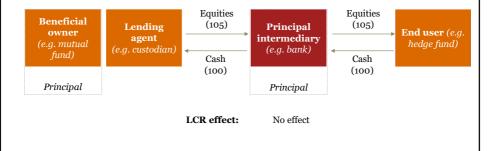
LCR effect: Haircut HQLA decreases by 48.5

An overview of the LCR, NSFR and LR PwC

EULCR - Implications for securities lending

Arrival of LCR and complementary metrics has shifted trader and Treasury behaviours

Example: LCR effect of providing cash collateral vs low quality assets



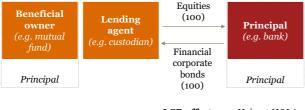
An overview of the LCR, NSFR and LR PwC

April 2016 19

EU LCR - Implications for securities lending

Arrival of LCR and complementary metrics has shifted trader and Treasury behaviours

Example: Collateral swaps – LCR upgrade



LCR effect:

Haircut HQLA increases by 50

An overview of the LCR, NSFR and LR PwC



- Long-term liabilities from non-financial customers
- Long-term liabilities from financial customers

Items providing stable funding Items requiring stable funding 100%

Key components

- Liquid assets (from LCR)
- Other securities and money market instruments
- Gold and other precious metals
- Short-term assets

Considerations:

- Requirement for a minimum amount of "stable funding" over 1yr time horizon
- Objective: to ensure stable funding on an ongoing, viable basis to cover an extended, firmspecific stress scenario
- Balance sheet values not cash flows!

Categories and weighting to be confirmed by EBA in 2016

An overview of the LCR, NSFR and LR PwC

NSFR - Implications for securities lending

We have already started to see banks optimising their balance sheets in preparation for the NSFR, but the impact on securities lending is less pronounced than for LCR

- Stringent conditions on netting of repo/reverse repo (per Basel Leverage Ratio)
- Short-term repo (<6m) not considered as available stable funding; (6m-12m = 50%; > 12m = 100%)

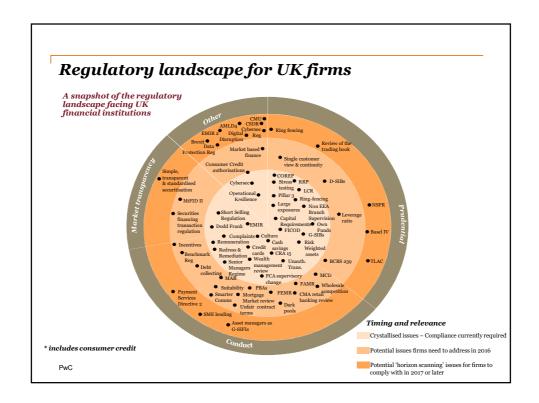
An overview of the LCR, NSFR and LR PwC

4. Interaction between the ratios

An overview of the LCR, NSFR and LR

April 2016

Interaction between the ratios LCR HQLA Assets - LCR will require banks to increase the stock of HQLA on their balance sheets Net cash outflows NSFR Available Stable Funding Required Stable Funding Assets - At the same time, the asset base will require greater levels of 'stable funding' LR Capital Measure Exposure Measure Assets - While the LR, will necessitate greater capital coverage for larger balance sheets PWC



Questions?



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