



BASEL COMMITTEE ON BANKING SUPERVISION

BANK FOR INTERNATIONAL SETTLEMENTS

The New Basel Capital Accord and Housing Finance

**OECD Workshop on Housing Finance
in Transition Economies**

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Outline

1. Overview of the New Capital Accord
2. Residential mortgage in the New Accord
3. Securitisation in the New Accord
4. Implications



1. Overview of the New Capital Accord

- The time schedule
- Outline of the new framework
- Objectives of the review

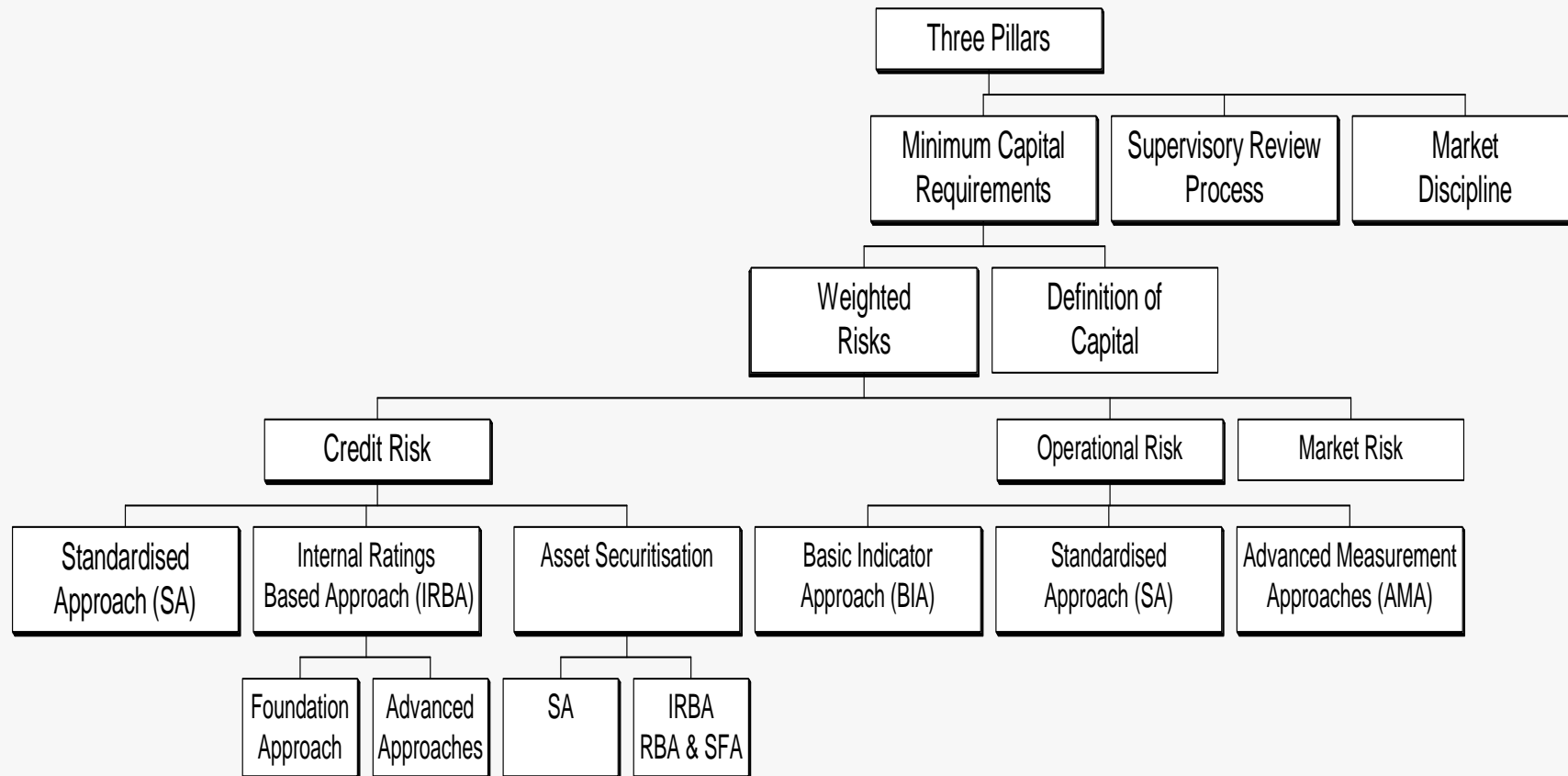


The time schedule

- July 1988: Basel Accord (Basel I)
- June 1999: CP1
- January 2001: CP2
- **October 2002: release of Quantitative Impact Study (QIS) 3**
- 20 December 2002: deadline of QIS submission
- Second quarter 2003: CP3
- Fourth quarter 2003: Basel II
- End-2006: implementation of Basel II



Outline of the new framework





Objectives of the review

- Better measurement of risk
 - comprehensive coverage
 - more risk sensitivity
 - greater emphasis on banks' own assessment
- Ability to meet different needs of different banks (and banking systems)
 - balancing of simplicity and accuracy
 - several options to fit banks with different sizes and different levels of sophistication.
- More use of discipline from the market and management
 - three mutually reinforcing Pillars

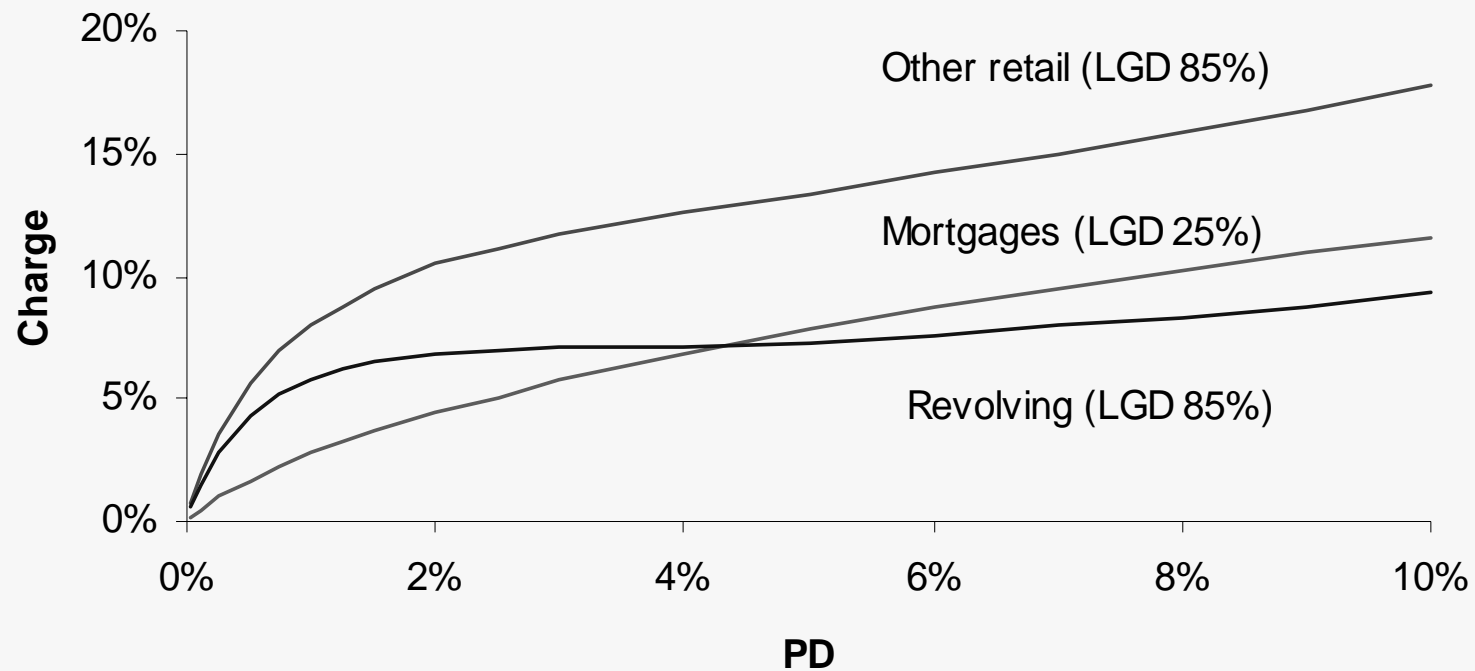


2. Residential mortgage in the New Accord

- Under the Standardised approach, claims secured by residential property will be generally risk weighted at 40%
- Under the IRB approach, there will be a several risk weight curves
 - a risk weight curve relates the probability of default (PDs) and loss given default (LGDs) to risk weights
 - a separate risk weight curve for residential mortgage exposures within retail



Capital charges for retail exposures in IRB





3. Securitisation in the New Accord

- Definition of securitisation
- Banks' roles in securitisation transactions
- Requirements for recognition of risk transfer
- Treatment of securitisation exposures

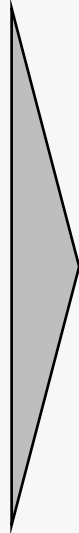


Definition of securitisation

Credit exposures arising from all types of securitisations fall within the framework

1. The transaction in question involves the stratification or tranching of credit risk
2. The performance and/or the risk of the tranching exposures is linked to that of the underlying credits
3. Do not satisfy the definition of specialised lending*

* Loans to which the primary source of repayment is the income generated by specific assets as defined separately (e.g. project finance)



Examples of Securitisation Exposures

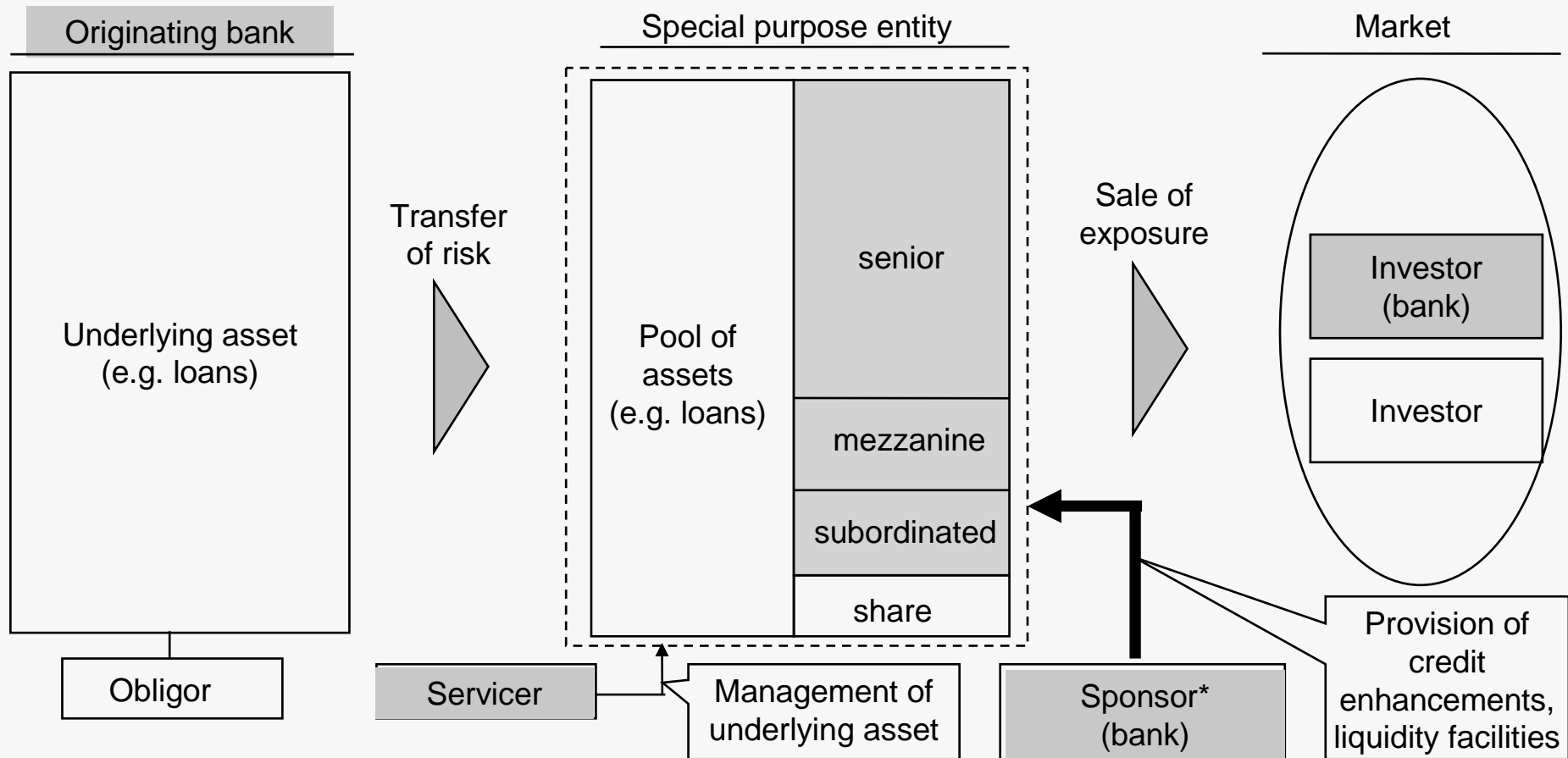
- Asset Backed Securities
- Mortgage Backed Securities
- Credit enhancements
- Liquidity facilities
- Credit derivatives

etc.

- Treatment to be determined on basis of economic substance rather than legal form



Roles played by banks: illustrative example



* Sponsors of ABCP conduit or similar programmes are to be treated as originators



Recognition of risk transfer

1. Requirements for traditional securitisation

- Significant risk has been transferred
 - The transferor does not maintain effective control over the transferred assets (the assets are beyond of reach of transferor's creditors)
 - Investors only have claim to the underlying assets (and not to assets of the transferor)
- When met, the underlying assets can be excluded from risk weighted assets

2. Requirements for synthetic securitisation

- Credit derivatives are legally enforceable and meet the general requirements for credit risk mitigation
 - Significant risk has been transferred
 - Specific range of eligible protection providers
- When met, the effect of risk mitigation can be recognised



Treatment of securitisation exposures: summary

| Securitisation exposure | Standardised approach | IRB approach | |
|-------------------------|--|---|-----------------------|
| | | Originating banks* | Investing banks |
| Investment grade | Risk weighting by rating | Exposures below K_{IRB}: Deduction Exposures above K_{IRB}: Ratings Based Approach K_{IRB} cap applies | Rating Based Approach |
| Non-investment grade | Originating banks: deduction Investing banks: BB: risk weights by rating Below BB: deduction | | |
| Unrated | Deduction | Exposures below K_{IRB}: Deduction Exposures above K_{IRB}: Supervisory Formula Approach or deduction K_{IRB} cap applies | Deduction |

* An investing bank may be included in this category if approved by its supervisor.



Risk weights under the Standardised approach

| Rating | | Originating banks | Investing banks | Exceptions |
|-------------------|---------------|-------------------|-----------------|---|
| Long-term rating | AAA ~ AA- | 20% | | 1. Most senior exposure → average risk weight of underlying asset If known 2. Exposure in ABCP: - Economically in a second loss position or better and the first loss position must provide meaningful credit protection to the second loss position - associated credit risk must be the equivalent of investment grade or better - must not retain or provide the first loss position → highest risk weight of underlying asset (floor of 100%) |
| | A+ ~ AA- | 50% | | |
| | BBB+ ~BBB- | 100% | | |
| | BB+ ~BB- | Deduction | 350% | |
| | below BB- | Deduction | | |
| | unrated | Deduction | | |
| Short-term rating | A1/P1 | 20% | | |
| | A2/P2 | 50% | | |
| | A3/P3 | 100% | | |
| | other ratings | Deduction | | |
| | unrated | Deduction | | |

Capital requirements in the Standardised approach depend on the creditworthiness of the exposure



Risk weights under the Ratings Based Approach

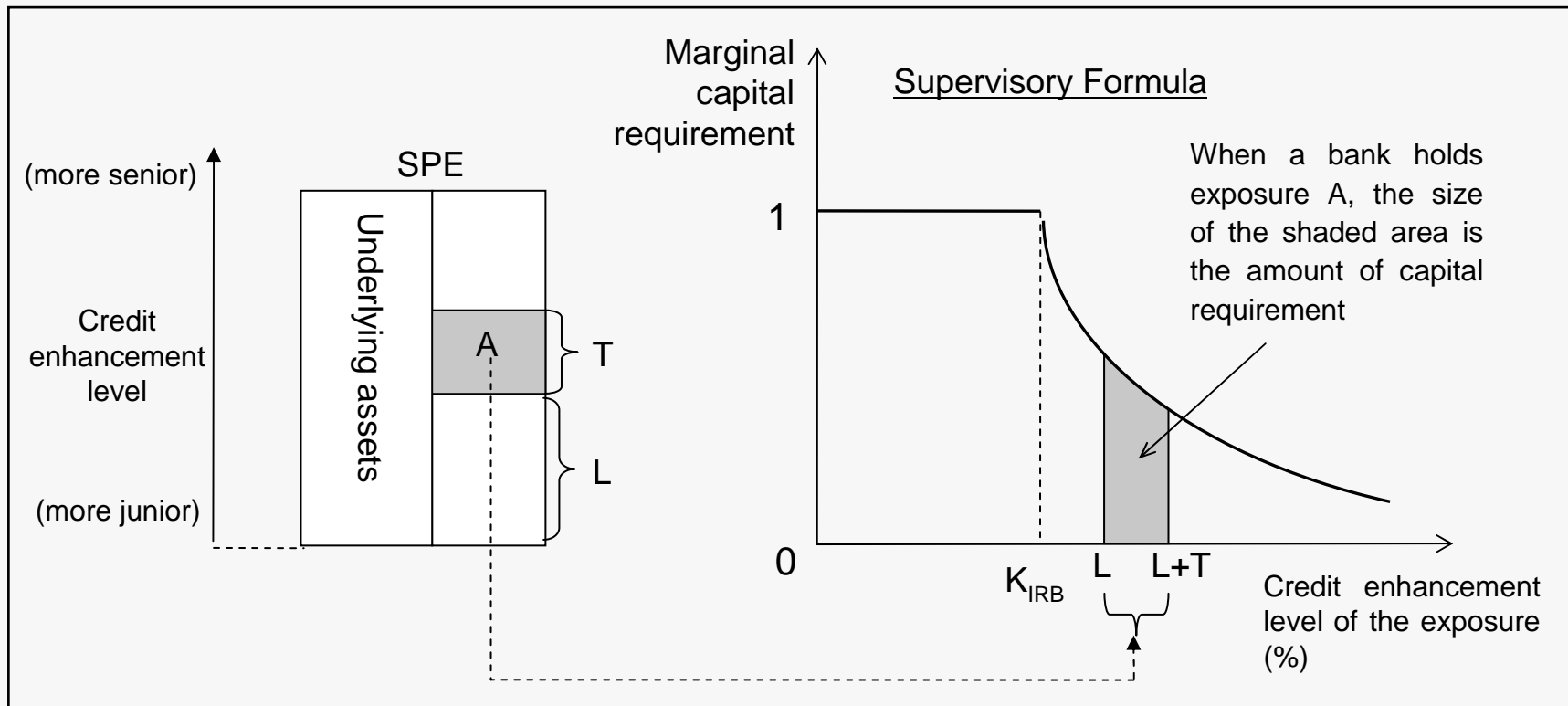
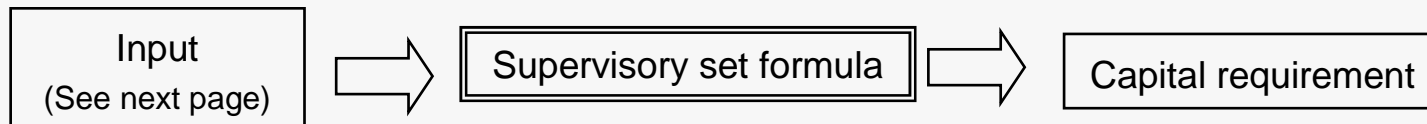
| Rating* | Thick tranches backed by highly granular** pools | Base risk weight | Tranches backed by non-granular** pools |
|-----------------------|--|------------------|---|
| AAA | 7% | 12% | 20% |
| AA | 10% | 15% | 25% |
| A | 20% | | 35% |
| BBB+ | 50% | | |
| BBB | 75% | | |
| BBB- | 100% | | |
| BB+ | 250% | | |
| BB | 425% | | |
| BB- | 650% | | |
| below BB- and unrated | Deduction | | |

* Includes inferred rating

** Highly granular is defined as $N \geq 100$, non-granular is defined as $N < 32$



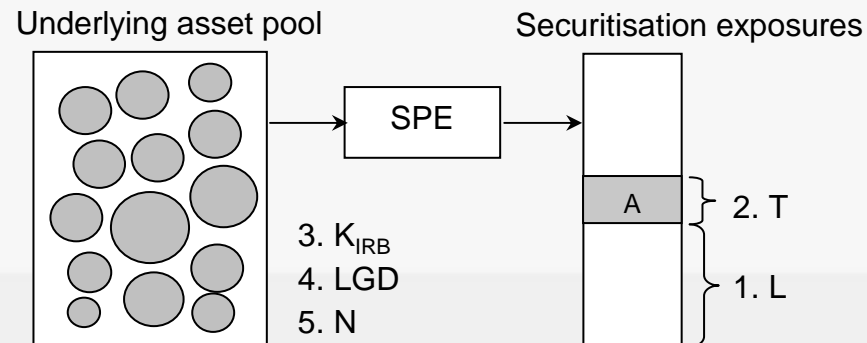
Calculation under the Supervisory Formula Approach





Inputs into the Supervisory Formula Approach

1. Credit enhancement level (L)
 - notional amount of all securitisation exposures subordinated to the exposure in question, divided by the notional amount of assets securitised
2. Thickness of the exposure (T)
 - nominal size of the exposure in question, divided by the notional amount of assets securitised
3. Capital requirement for the underlying assets (K_{IRB})
 - IRB capital requirement for the underlying asset if they were on balance-sheet, divided by the notional amount of assets securitised
4. Weighted average LGD of the underlying assets
5. Effective number of exposures of the underlying assets (N)
 - $N = (\sum EAD)^2 / \sum EAD^2$





... some more aspects

- Liquidity facilities
- Securitisation of revolving assets with early amortisation features
 - Please refer to “QIS3 Technical Guidance” and “Second Working Paper on Securitisation” posted on the BIS website at <http://www.bis.org>



4. Implications of the new framework

- Current Accord does not explicitly address securitisation
 - a more consistent treatment across jurisdictions
- Capital requirements more aligned to underlying risks
 - less incentives for regulatory arbitrage
 - transactions likely to be motivated more by funding and credit risk management needs
 - better risk management and pricing by institutions
 - more efficient allocation of capital