ING-DiBa Mortgage Covered Bonds
Covered Bonds / Germany

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Reporting as of: 30/09/2013
Data as provided to Moody’s Investors Service

I. Programme Overview

Overview
Year of initial rating assignment: 2011
Total outstanding liabilities: EUR 1,235,000,000
Total assets in the cover pool: EUR 3,940,876,321
Issuer name / rating: ING-DiBa AG / A2 Negative
Group / parent name / rating: n/a
Main collateral type: Residential

Ratings
Covered bonds rating: Aaa
Issuer rating – entity used for EL & TPI analysis: ING-DiBa AG
Issuer rating used for EL & TPI analysis: A2
Adjusted BCA for entity used for EL & TPI analysis: a3
Senior unsecured claim used for EL analysis: Yes

II. Value of the Cover Pool

Collateral quality
Collateral score: 5.0 %
Collateral score excl. systemic risk: 3.0 %

Cover Pool losses
Collateral risk (collateral score post haircut): 3.3 %
Market risk: 12.8 %
Market risk excl. systemic risk: 20.8 %

III. Over-Collateralisation Levels

Over-Collateralisation (OC) figures presented below include eligible only collateral.
Over-collateralisation levels are provided on any of the following: nominal or unstressed NPV or stressed NPV basis.
NPV stress test where stressed: Dynamic interest (min +/- 100 bps) and dynamic FX

Current situation
Committed OC (Stressed NPV): 2.0 %
Current OC (Unstressed NPV): 251.4 %
OC consistent with current rating: 11.5 %

Stressed Scenario issuer Rating
Scenario 1: Issuer is downgraded by 1 notch
Scenario 2: Issuer is rated A2

IV. Timely Payment Indicator & TPI Leeway

Timely Payment Indicator (TPI): High
TPI Leeway: 2

Extract from TPI table
Issuer Rating | TPI Leeway
--- | ---
Aa2 | Aaa
Aa3 | Aaa
A1 | Aaa
A2 | Aaa
A3 | Aaa
Ba1 | Aaa
Ba2 | Aa1

Legal framework

Does a specific covered bond law apply: Yes
Main country in which collateral is based: Germany
Country in which issuer is based: Germany

Timely Payment
Refinancing period for principal payments of 6 months or greater: No
Liquidity reserve to support timely payments on all issuances: Yes Funded*

* Please refer to section 4 of the Pfandbrief Act.
V. Asset Liability Profile

**Interest Rate & Duration Mismatch**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed rate assets in the cover pool</td>
<td>100.0%</td>
</tr>
<tr>
<td>Fixed rate covered bonds outstanding</td>
<td>87.9%</td>
</tr>
<tr>
<td>WAL of outstanding covered bonds</td>
<td>4.5 years</td>
</tr>
<tr>
<td>WAL of the cover pool</td>
<td>15.1 years</td>
</tr>
</tbody>
</table>

**Swap Arrangements**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest rate swap(s) in the Cover Pool</td>
<td>No</td>
</tr>
<tr>
<td>Intra-group interest rate swap(s) provider(s)</td>
<td>No</td>
</tr>
<tr>
<td>Currency swap(s) in the Cover Pool</td>
<td>No</td>
</tr>
<tr>
<td>Intra-group currency swap(s) provider(s)</td>
<td>No</td>
</tr>
</tbody>
</table>

**CHART 3:** Stressed refinancing needs per quarter (% of liabilities) 
Maximum Mismatch: 74.4%

**CHART 4:** Currency mix before swaps in millions (3 Main Currencies)

**CHART 5:** Amortisation profile per year

VI. Performance Evolution

**CHART 6:** Collateral Score

**CHART 7:** Cover Pool losses

**CHART 8:** OC consistent with covered bond rating
VII. Cover Pool Information – Residential Assets

Overview
- Asset type: Residential
- Asset balance: 3,869,876,321
- Average loan balance: 73,999
- Number of loans: 52,236
- Number of borrowers: 46,021
- Number of properties: 46,395
- WA remaining term (in months): 185
- WA seasoning (in months): 32

Details on LTV
- WA unindexed LTV: 98.3%
- WA indexed LTV: n/a
- Valuation type: Lending Value
- LTV threshold: 60.0%
- Junior ranks: n/d
- Prior ranks: 0.0%

Specific Loan and Borrower characteristics
- Loans with external guarantee in addition to a mortgage: n/a
- Interest only Loans: 6.3%
- Loans for second homes / vacation: 0.0%
- Buy to let loans / Non owner occupied properties: 13.0%
- Limited income verified: 0.0%
- Adverse credit characteristics: 0.0%

Performance
- Loans in arrears (≥ 2 months - < 6 months): 0.0%
- Loans in arrears (≥ 6 months - < 12 months): 0.0%
- Loans in arrears (≥ 12 months): 0.0%
- Loans in a foreclosure procedure: 0.0%

Multi-Family Properties
- Loans to tenants of tenant-owned Housing Cooperatives: n/a
- Other type of Multi-Family loans: n/a

Charts:
- Chart A: Balance per LTV-band
- Chart B: Percentage of residential assets
- Chart C: Timeline evolution of pool LTV
- Chart D: Interest rate type
- Chart E: Main country regional distribution
- Chart F: Seasoning (in months)
VIII. Cover Pool Information – Supplementary Assets

Overview

- **Asset type**: Supplementary Assets
- **Asset balance**: 71,000,000
- **WA remaining term (in months)**: 49
- **Number of assets**: 2
- **Number of borrowers**: 2
- **Average asset size**: 35,500,000
- **Average exposure to borrowers**: 35,500,000

**n/d**: information not disclosed by issuer

**n/a**: information not applicable

Specific Loan and Borrower characteristics

- **Repo eligible assets**: 100.0 %
- **Percentage of fixed rate assets**: 100.0 %
- **Percentage of bullet assets**: 100.0 %
- **Assets in non-domestic currency**: 0.0 %

Performance

- **Assets in arrears (≥ 2 months - < 6 months)**: 0.0 %
- **Assets in arrears (≥ 6 months - < 12 months)**: 0.0 %
- **Assets in arrears (≥ 12 months)**: 0.0 %
- **Assets in an enforcement procedure**: 0.0 %

CHART A: Distribution by country rating

CHART B: Proportion of supplementary assets

CHART C: Distribution by country, rating

CHART D: Interest rate type
## Appendix 1: Liabilities Information – Last 50 Issuances

<table>
<thead>
<tr>
<th>ISIN</th>
<th>Series Number</th>
<th>Currency</th>
<th>Outstanding Amount</th>
<th>Issue Date</th>
<th>Expected Maturity</th>
<th>Legal Final Maturity</th>
<th>Interest Rate Type</th>
<th>Interest Rate</th>
<th>Coupon</th>
<th>Principal Payment</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1KRJN</td>
<td>N/D</td>
<td>EUR</td>
<td>5,000,000</td>
<td>28/02/2013</td>
<td>28/02/2028</td>
<td>Fixed rate</td>
<td>2.340 %</td>
<td>Bullet</td>
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<td></td>
</tr>
<tr>
<td>A1KRM</td>
<td>N/D</td>
<td>EUR</td>
<td>10,000,000</td>
<td>11/02/2013</td>
<td>11/02/2021</td>
<td>Fixed rate</td>
<td>1.625 %</td>
<td>Bullet</td>
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<td></td>
</tr>
<tr>
<td>A1KRL</td>
<td>N/D</td>
<td>EUR</td>
<td>20,000,000</td>
<td>30/01/2013</td>
<td>30/01/2018</td>
<td>Fixed rate</td>
<td>0.965 %</td>
<td>Bullet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A1KRM</td>
<td>N/D</td>
<td>EUR</td>
<td>10,000,000</td>
<td>19/06/2012</td>
<td>19/06/2019</td>
<td>Fixed rate</td>
<td>1.590 %</td>
<td>Bullet</td>
<td></td>
<td></td>
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<tr>
<td>A1KRI</td>
<td>N/D</td>
<td>EUR</td>
<td>50,000,000</td>
<td>30/04/2012</td>
<td>30/04/2024</td>
<td>Floating rate</td>
<td>24 bps</td>
<td>Bullet</td>
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<tr>
<td>A1KRG</td>
<td>N/D</td>
<td>EUR</td>
<td>25,000,000</td>
<td>26/04/2012</td>
<td>26/04/2017</td>
<td>Floating rate</td>
<td>26 bps</td>
<td>Bullet</td>
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<td></td>
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<tr>
<td>A1KRI</td>
<td>N/D</td>
<td>EUR</td>
<td>10,000,000</td>
<td>26/04/2012</td>
<td>26/04/2022</td>
<td>Fixed rate</td>
<td>2.400 %</td>
<td>Bullet</td>
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<td></td>
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<tr>
<td>A1KRI</td>
<td>N/D</td>
<td>EUR</td>
<td>10,000,000</td>
<td>03/04/2012</td>
<td>03/04/2020</td>
<td>Fixed rate</td>
<td>2.300 %</td>
<td>Bullet</td>
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<tr>
<td>A1KRE</td>
<td>N/D</td>
<td>EUR</td>
<td>25,000,000</td>
<td>16/03/2012</td>
<td>16/03/2017</td>
<td>Floating rate</td>
<td>25 bps</td>
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<tr>
<td>A1KRC</td>
<td>N/D</td>
<td>EUR</td>
<td>20,000,000</td>
<td>21/02/2012</td>
<td>21/02/2022</td>
<td>Fixed rate</td>
<td>2.610 %</td>
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<tr>
<td>A1KRJ</td>
<td>N/D</td>
<td>EUR</td>
<td>50,000,000</td>
<td>03/02/2012</td>
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<td>Floating rate</td>
<td>25 bps</td>
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<tr>
<td>A1KRA</td>
<td>N/D</td>
<td>EUR</td>
<td>500,000,000</td>
<td>09/06/2011</td>
<td>29/06/2016</td>
<td>Fixed rate</td>
<td>2.750 %</td>
<td>Bullet</td>
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</tbody>
</table>
The data reported in this PO is based on information provided by the issuer and may include certain assumptions made by Moody’s. Moody’s accepts no responsibility for the information provided to it and, whilst it believes the assumptions in it has made are reasonable, cannot guarantee that they are or will remain accurate. Although Moody’s encourages all issuers to provide reporting data in a consistent manner, there may be differences in the way that certain data is categorised by issuers. The data reporting template (which Issuers are requested to use) is available on request.

- This assumes the Covered Bonds rating is not constrained by the TP. Also to the extent rating assumptions change following a downgrade or an upgrade of the Issuer, the necessary OC stated here may also change. This is especially significant in the case of Issuers currently rated A2 or A3, as the necessary OC following a 1 notch downgrade may then be substantially higher than the amount suggested here as market risks are considered more critically by Moody’s at this time. In any event, the necessary OC amounts stated here are subject to change at anytime at Moody’s discretion.

- This is the minimum OC calculated to be consistent with the current rating under Moody’s expected loss model. However, the level of OC consistent with a given rating level may differ from this amount where ratings are captured under the TPI framework and, for example, where committee discretion is applied.

- This assumes no prepayment.

- Based on principal flows only. Assumptions include no prepayments, principal collections limited to the portion of assets that make up the amount of the liabilities plus committed OC, no further CB issuance and no further assets added to the cover pool.

- Assumptions include no prepayment, no swap in place in Cover Pool, and no further CB issuance.

- May be based on property value at time of origination or further advance or borrower refinancing.

- Typically borrowers with a personal guarantee or bankers with record of court claims against them at time of origination.

- This “other” type refers to loans directly to Housing Cooperatives and to Landlords of Multi-Family properties (not included in Buy to Let).