# Interest Rate Statistics 

1/2007

## Banking Department

Statistics Directorate
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## Symbols:

$\begin{array}{ll}\mathbf{p} \text { - Preliminary data } & r \text { Revised data }\end{array}$
0 - Less than 0.05 but more than nil

- Nil
sp -Statistically processed
】 Break in the time series


## Dear users,

This is the first issue of the monthly "Interest Statistics" publication on interest rates and amounts on new business divided by instruments with information as of January 2007.

This publication is another step in the process towards full harmonization of interest rate statistics with the requirements of ECB Regulation 18 (ECB/18/2001) which will be completed before the end of this year. The following changes have been made.

1. Broadening of the scope of the published information with the following data:

- Long-term interest rate statistics for convergence assessment purposes. Up to December 2005 the data show the yield from the primary market, while from January 2006 - the yield achieved on the secondary market;
- Deposits redeemable at notice of the "Households" and "Non-financial corporations" sectors. Deposits redeemable at notice of the Households sector replace savings deposits thus broadening the scope of the indicator by including other deposits redeemable at notice offered by the commercial banks. Deposits redeemable at notice of the Non-financial corporations sector is a new instrument the time series of which start from February 2004 and which is constructed through statistical procedures;
- Repos on the liabilities side separately reported for the "Non-financial corporations" and "Households" sectors. The time-series are constructed through statistical procedures;
- Interbank money market indices LEONIA, SOFIBID, SOFIBOR, EONIA, EURIBOR;
- Government securities secondary market yield. Up to December 2005 data reflects the primary market yield and as of January 2006 - the yield achieved on the secondary market.

2. Methodological changes:

- Automatic renegotiation of deposits, loans and repos without the active involvement of the client is not considered a new business. This change results in a decrease in comparison with December 2006 of the amounts of time deposits;
- Outstanding amounts are reported for overdraft the data on which is obtained from the monetary statistics. The time-series are constructed starting from March 2000 for BGN overdraft and from February 2004 for foreign currency overdraft.
The BNB has implemented a fully harmonized with ECB reporting scheme for the purposes of the interest rate statistics. Therefore, after a long enough timeseries have been collected, an extended format of the publication will be made available until the end of the year.


## Dynamics of interest rates on deposits and loans ${ }^{1}$ January 2007

## Non-financial corporation

- Loans

In January 2007 compared to January 2006 higher interest rates were agreed on BGN and EUR loans to the "Non-financial corporations" sector with the exception of longterm BGN loans. Average interest rates on BGN and EUR overdraft increased by respectively 2.40 p. p. and 1.90 p. p. reaching $8.28 \%$ and $7.31 \%$. Interest rates on both BGN and EUR short-term loans (up to and including 1 year) other than overdraft increased by 0.94 p. p. respectively to $9.85 \%$ for BGN and $7.31 \%$ for EUR. Interest rates on long-term EUR loans increased by 0.80 p. p. to $9.18 \%$ while those in BGN decreased by $1.45 \%$ to $8.49 \%$.
In January 2007 compared to December 2006 average interest rates on BGN and EUR overdrafts of the "Non-financial corporations" sector rose respectively by 1.63 and 0.24 percentage points. The average interest rate on short-term BGN loans other than overdraft increased by 1.14 p . p. while the respective EUR indicator fell by 1.08 percentage points. The opposite dynamics was observed for long-term loans - a decrease of average BGN interest rate by $0.46 \mathrm{p} . \mathrm{p}$. and an increase of 0.95 p . p. of the EUR interest rate.

- Deposits

In January 2007 average interest rates on overnight deposits of the "Non-financial corporations" sector in all currencies increased on the same month of the previous year by 0.22 p. p. for BGN, 0.17 p. p. for EUR and 0.80 p. p. for USD to $0.63 \%, 0.67 \%$ and $1.30 \%$. Compared to the previous month the same BGN and EUR indicators increased by 0.02 and 0.04 p . p. while that in USD decreased by 0.18 percentage points.

In January 2007 compared to January 2006 average interest rates on time deposits with agreed maturity of up to 1 month in BGN, EUR and USD increased respectively by $0.88,0.83$ and 0.76 p. p. to $3.59 \%, 2.82 \%$ and $3.88 \%$. Among different maturities the most significant changes of interest rates on BGN time deposits on December 2006 were observed for deposits with agreed maturity of up to 1 month - an increase of 0.74 p. p. to $3.59 \%$ and for deposits with agreed maturity of over 1 and up to 3 months -a decrease of 0.23 p . p. to $4.28 \%$. The most significant changes of EUR interest rates were these in interest rates on deposits with agreed maturity of over 3 and up to 6 months - a decrease of 0.21 p. p. to $3.69 \%$ and of over 2 years - an increase of 1.66 p. p. to $5.11 \%$. For the respective USD indicators the biggest changes were registered for the maturity of over 1 and up to 3 months - an increase of 0.29 p. p. to $2.55 \%$ and of over 6 months and up to 1 year - a decrease of 1.74 p. p. to $2.82 \%$.
Interest rates on deposits redeemable at notice increased on December 2006 by respectively 1.05 p. p. to $2.55 \%$ for BGN, 0.03 p. p. to $2.21 \%$ for EUR and by 1.25 p. p. to 3.65\% for USD.

- Interest rate spreads

The interest rate spread between short-term BGN loans and BGN time deposits with maturity of up to 1 year of the "Non-financial corporations" sector fell on January 2006 by 0.11 p. p. to $5.77 \%$ while that in EUR widened by 0.18 p. p. to $4.05 \%$. Compared to December 2006 the BGN spread grew by 0.23 p. p. and the EUR one decreased by 1.54 percentage points. The interest rate spread between long-term BGN loans and BGN time deposits with maturity of over 1 year decreased by 1.55 p. p. to $1.99 \%$ in comparison with January 2006 while that in EUR increased by $2.86 \%$ to $4.68 \%$. Compared to December 2006 these spreads showed opposite dynamics - the BGN spread narrowed by 0.58 p. p. and the EUR one widened by 0.42 percentage points.
\%

-_ sector Non-financial corporation in BGN
_ sector Non-financial corporation in EUR

-     -         -             - sector Households in BGN

Source:BNB

_ sector Non-financial corporation in BGN

- sector Non-financial corporation in EUR
-     -         -             - sector Households in BGN

Source:BNB

## Households

- Loans

In January 2007 compared to January 2006 the interest rates on BGN and EUR overdraft of the "Households" sector decreased by 0.31 p. p. to $14.09 \%$ and by 2.28 p. p. to $10.26 \%$. Interest rates on BGN long-term loans for house purchases increased by 1.80 p. p. to $8.50 \%$ and these on other loans increased by 0.39 p. p. to $13.15 \%$. The interest rates on long-term consumer loans decreased by 1.04 p. p. to $10 \%$. The interest rates on long-term EUR loans increased by 0.83 p. p. to $7.97 \%$.
In January 2007 the average interest rate on BGN and EUR overdraft of the "Households" sector increased on the previous month by 0.13 and 0.77 p.p. respectively to $14.09 \%$ and $10.26 \%$. The average interest rates on short-term housing, consumer and other BGN loans rose by $0.87,0.83$ and 2.64 p. p. respectively to $13.52 \%, 11.91 \%$ and $12.38 \%$, and those on EUR short-term loans by $0.73 \%$ to $9.03 \%$. The average interest rate on BGN long-term loans for house purchases retained its level reached on the preceding month at $8.50 \%$, while the interest rate on consumer and other loans increased by 0.08 and 1.08 p. p. respectively to $10.00 \%$ and $13.15 \%$. Long-term EUR loans grew by 0.08 p. p. to $7.97 \%$.

- Deposits

In January 2007 compared to the same month of 2006 average interest rates on BGN overnight deposits of the "Households" sector decreased by 0.01 p. p. to $0.86 \%$ while those on EUR and USD deposits increased by 0.08 and 0.04 p. p. to respectively $0.37 \%$ and $0.26 \%$. Compared to December 2006 the average interest rates on overnight deposits climb up in the three currencies by $0.04,0.01$ and 0.01 p. p. in BGN, USD and EUR.
Average interest rates on time deposits with agreed maturity of up to 1 month increased for all three currencies, respectively by 0.50 p. p. to $3.60 \%$ for BGN, by 0.38 p. p. to $2.25 \%$ for EUR and by 0.71 p. p. to $2.33 \%$ for USD. Compared to December 2006 the average interest rates on tine deposits exhibited different dinamics. The most significant change in the average interest rates on BGN deposits was registered for the deposits with agreed maturity of up to 1 month - an increase of 0.32 p . p. and for the
time deposits with agreed maturity of up to 1 year - a decrease of 0.12 p. p. to $5.29 \%$. Interest rates on EUR time deposits with agreed maturity of over 1 day and up to 6 months rose for short-term maturity while those for deposits with agreed maturity of over 6 months fell. The biggest changes of interest rates on that indicator occurred for the deposits with agreed maturity of up to 1 month (an increase of 0.13 p. p.) and for the deposits with agreed maturity of up to 2 years a decrease of 0.79 p. p. to $4.89 \%$. The biggest changes of interest rates on USD deposits occurred for deposits with agreed maturity of over 1 and up to 3 months - an increase of 0.52 p. p. to $3.03 \%$ and for the deposits with agreed maturity of over 1 and up to 2 year - a decrease of 0.37 p. p. up to 4.17 . The average interest rates on time deposits of households with agreed maturity of over 1 day and up to 1 month were within the range of $2.00 \%$ and $5.07 \%$ - for the BGN deposits, $1.24 \%$ and $4.59 \%$ - for the EUR deposits, and $0.90 \%$ and $3.32 \%$ 0 for the USD deposits.
Average interest rates on deposits redeemable at notice were higher compared to the same month of the previous year, respectively by $0.35,0.40$, and 0.34 p. p. to $2.49 \%$, $1.60 \%$ and $1.16 \%$ for BGN, EUR and USD. Compared to December the average interest rates on BGN and EUR deposits redeemable at notice increased by 0.05 p. p. and those in USD by 0.03 p. p.

## - Interest rate spreads

The interest rate spread between short-term loans and time deposits with maturity of up to 1 year of the "Households" sector denominated in BGN and EUR fell on January 2006 respectively by 1.24 and 1.36 p. p. to $8.02 \%$ and $6.21 \%$. Compared to December 2006 these spreads grew by 1.43 p. p. for BGN and by 0.37 p. p. for EUR.B сравнение с декември 2006 г. тези спредове се разширяват съответно в левове с 1.43 п. п. и в евро с 0.37 п. п. In January 2007 the interest rate spread between long-term BGN loans and BGN time deposits with maturity of over 1 year fell on January 2006 by 0.44 p. p.to $3.30 \%$ while that in EUR widened by 1.58 p. p. to $2.77 \%$. These spreads increased in comparison with December 2006 by 0.37 p. p. for BGN and by 0.59 p. p. for EUR.

Time deposits over 1 year

_ sector Non-financial corporation in BGN
-_ sector Non-financial corporation in EUR

-     -         -             - sector Households in BGN
Source:BNB
-     -         -             -                 -                     - sector Households in EUR

Long-term loans

-_ sector Non-financial corporation in BGN
——_sector Non-financial corporation in EUR

-     -         -             - sector Households in BGN

Source:BNB

INTEREST RATES BY INSTRUMENT

${ }^{1}$ The average weighted effective yield achieved on the secondary market during the reporting period. The yield is calculated using the ISMA formula at ACT/365 day count convention. Up to Deceember 2005 the data show the yield from the primary market, while from January 2006 - the yield gained on the secondary market.
${ }^{2}$ LTIR - long-term interest rate for convergence assessment purposes. It tis determined on the basis of the secondary market yield to maturity of a long-term bond (benchmark) issued by the central government and denominated in national currency. The ISMA formula at ACT/365 day count convention is used.
LTIR - long-term interest rate for convergence assessment purposes. It is determined on the basis of the secondary market yield to maturity of a long-term bond (benchmark) issued by the central government and denominated in national currency. The ISMA formula at ACT/365 day count convention is used.
Up to December 2005 the data show the yield from the primary market, while from January 2006 - the yield gained on the secondary market.
${ }^{3}$ Interest rates on shor-term loans also include interest rates on overdraft.

INTEREST RATES ON DEPOSITS ON THE INTERBANK MONEY MARKET


[^0]INTERBANK MARKET INDICES ${ }^{1}$

|  |  | LEONIA | EONIA ${ }^{2}$ | SOFIBID |  |  |  |  | SOFIBOR |  |  |  |  |  | EURIBOR ${ }^{2}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | overnight |  | spot week | 1 month | $\begin{gathered} 2 \\ \text { months } \end{gathered}$ | $\begin{gathered} 3 \\ \text { months } \end{gathered}$ | overnight |  | spot week | 1 month | $\begin{gathered} 2 \\ \text { months } \end{gathered}$ | $\begin{gathered} 3 \\ \text { months } \end{gathered}$ |  | 1 month | $\begin{gathered} 3 \\ \text { months } \end{gathered}$ | $\begin{gathered} 6 \\ \text { months } \end{gathered}$ | $\begin{gathered} 1 \\ \text { year } \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2006 | 1 | 2.25 | 2.33 | 2.21 | 2.21 | 2.32 | 2.42 | 2.73 |  | 2.32 | 2.37 | 2.66 | 3.01 | 3.59 |  | 2.39 | 2.51 | 2.65 | 2.83 |
|  | II | 2.28 | 2.35 | 2.23 | 2.23 | 2.33 | 2.45 | 2.74 |  | 2.33 | 2.38 | 2.63 | 2.98 | 3.60 |  | 2.46 | 2.60 | 2.72 | 2.91 |
|  | III | 2.48 | 2.52 | 2.43 | 2.46 | 2.51 | 2.59 | 2.82 |  | 2.56 | 2.61 | 2.76 | 3.00 | 3.60 |  | 2.63 | 2.72 | 2.87 | 3.11 |
|  | IV | 2.57 | 2.63 | 2.55 | 2.56 | 2.60 | 2.70 | 2.87 |  | 2.65 | 2.69 | 2.84 | 3.06 | 3.60 |  | 2.65 | 2.79 | 2.96 | 3.22 |
|  | v | 2.56 | 2.58 | 2.53 | 2.58 | 2.64 | 2.75 | 2.89 |  | 2.63 | 2.71 | 2.88 | 3.13 | 3.58 |  | 2.69 | 2.89 | 3.06 | 3.31 |
|  | VI | 2.69 | 2.70 | 2.66 | 2.71 | 2.77 | 2.85 | 2.96 |  | 2.76 | 2.84 | 3.04 | 3.22 | 3.60 |  | 2.87 | 2.99 | 3.16 | 3.40 |
|  | VII | 2.80 | 2.81 | 2.77 | 2.80 | 2.85 | 2.93 | 3.05 |  | 2.86 | 2.91 | 3.14 | 3.25 | 3.62 |  | 2.94 | 3.10 | 3.29 | 3.54 |
|  | VIII | 2.94 | 2.97 | 2.92 | 2.96 | 2.99 | 3.01 | 3.15 |  | 3.01 | 3.10 | 3.23 | 3.31 | 3.71 |  | 3.09 | 3.23 | 3.41 | 3.62 |
|  | IX | 2.98 | 3.04 | 2.98 | 3.00 | 3.03 | 3.05 | 3.18 |  | 3.07 | 3.13 | 3.27 | 3.35 | 3.74 |  | 3.16 | 3.34 | 3.53 | 3.72 |
|  | x | 3.19 | 3.28 | 3.19 | 3.21 | 3.24 | 3.27 | 3.38 |  | 3.29 | 3.33 | 3.43 | 3.49 | 3.78 |  | 3.35 | 3.50 | 3.64 | 3.80 |
|  | XI | 3.26 | 3.33 | 3.25 | 3.28 | 3.30 | 3.36 | 3.44 |  | 3.34 | 3.38 | 3.49 | 3.58 | 3.84 |  | 3.42 | 3.60 | 3.73 | 3.86 |
|  | XII | 3.43 | 3.50 | 3.41 | 3.45 | 3.52 | 3.54 | 3.58 |  | 3.51 | 3.57 | 3.68 | 3.75 | 4.01 |  | 3.64 | 3.68 | 3.79 | 3.92 |
| 2007 | 1 | 3.53 | 3.56 | 3.51 | 3.54 | 3.58 | 3.60 | 3.66 |  | 3.60 | 3.64 | 3.74 | 3.80 | 4.06 |  | 3.62 | 3.75 | 3.89 | 4.06 |

${ }^{1}$ Monthly values are calculated as a simple average of daily values.
${ }^{2}$ Source: ECB.

INTEREST RATES ON NEW BUSINESS ON SHORT-TERM LOANS AND OVERDRAFTS OF NON-FINANCIAL CORPORATIONS AND HOUSEHOLDS ${ }^{1}$


[^1]INTEREST RATES ON NEW BUSINESS ON LONG-TERM LOANS OF NON-FINANCIAL CORPORATIONS AND HOUSEHOLDS¹


[^2]INTEREST RATES ON NEW BUSINESS ON DEPOSITS AND REPOS IN BGN OF NON-FINANCIAL CORPORATIONS AND HOUSEHOLDS ${ }^{1}$

'The Households sector also includes the NPISHs sector.
${ }^{2}$ Up to December 2006 automatically renegotiated during the period deposits were considered as new business. Since January 2007 only new agreements set with the active involvement of the client are recognized as new busines .
${ }^{3}$ Deposits redeemable at notice include former savings deposits and the scope is extended to include other deposits redeemable at notice offered by commercial banks as well.

INTEREST RATES ON NEW BUSINESS ON DEPOSITS AND REPOS IN EUR OF NON-FINANCIAL CORPORATIONS AND HOUSEHOLDS ${ }^{1}$

'The Households sector also includes the NPISHs sector.
${ }^{2}$ Up to December 2006 automatically renegotiated during the period deposits were considered as new business. Since January 2007 only new agreements set with the active involvement of the client are recognized as new business.
${ }^{3}$ Deposits redeemable at notice include former savings deposits and the scope is extended to include other deposits redeemable at notice offered by commercial banks as well.

INTEREST RATES ON NEW BUSINESS ${ }^{1}$ ON DEPOSITS AND REPOS IN USD OF NON-FINANCIAL CORPORATIONS AND HOUSEHOLDS ${ }^{1}$

${ }^{1}$ The Households sector also includes the NPISHs sector.
${ }^{2}$ Up to December 2006 automatically renegotiated during the period deposits were considered as new business. Since January 2007 only new agreements set with the active involvement of the client are recognized as new business.
${ }^{3}$ Deposits redeemable at notice include former savings deposits and the scope is extended to include other deposits redeemable at notice offered by commercial banks as well.

METHODOLOGICAL NOTES

The interest rate statistics includes information on interest rates and volumes on new business applied by commercial banks in Bulgaria to deposits and loans vis-à-vis Non-financial Corporations and Households sectors, indices and interest rates on interbank money market deposits, BIR and secondary market yield on government securities.

## Interest Rate Statistics: Loans and Deposits of the Non-financial Corporations and Households sectors.

Interest rates statistics is compiled according to methodological guidelines which to a great extent cover European Central Bank's requirements under Regulation 18 (ECB/2001/18) and defined the manner and procedures for data submission for interest rate statistics purposes ${ }^{1}$.
Scope:

- interest rates and volumes on new business on time deposits, repos and loans: new business is every new agreement between a client and a reporting agent. New agreements are all contracts in which the interest rate, term to maturity or period of notice and other terms of the deposit, repo or loan are settled for the first time. Every renegotiation of an interest rate and other terms different from term to maturity or period of notice of an already settled agreement, provided that no such clause exists in the agreement, as well as renegotiation of the term to maturity or period of notice with the active involvement of the client are also considered as new business.
- interest rates and volumes on outstanding amounts on overnight deposits, deposits redeemable at notice and overdraft: the outstanding amounts represent the claims and liabilities of loans or deposits as of a certain reporting moment. For this group of instruments, interest rate statistics on new business and interest rate statistics on outstanding amounts coincide.

Reporting period - a calendar month. End-of-month information is presented for the purpose of interest rate statistics on outstanding amounts, while information for the purpose of interest rate statistics on new business includes all new agreements settled during the reporting period.
Reporting rules - definitions and scope of instrument categories follow the respective regulations of monetary statistics with the exceptions of: 1) time deposits, which for the purpose of monetary statistics are included in the deposits with agreed maturity and 2) loans other than overdraft which include repos (repos are reported as a separate indicator for the purposes of monetary statistics).
Interest rate statistics instrument categories are broken down by sector, currency, term to maturity or notice period as well as purpose of loans to households.

- Breakdown by sector - interest rates on loans, deposits and repos agreed by commercial banks and resident legal and natural persons divided into two institutional sectors: Nonfinancial corporations and Households (population, employers and own-account workers) are reported. The household sector includes the Non-Profit Organizations Serving Households (NPISHs) sector.

Credit or deposit agreements with the government and financial sectors as well as non-residents are not reported.

- Breakdown by currency - BGN, EUR and USD.

[^3]- Breakdown by original maturity or notice period:
$\checkmark$ deposits: overnight deposits, time deposits (over one day up to 1 month, over 1 up to 3 months, over 3 up to 6 months, over 6 months up to 1 year, over 1 up to 2 years, over 2 years) and deposits redeemable at notice.
$\checkmark$ loans: overdraft, short- term loans (loans up to 1 year, other than overdraft) and long- term loans (over 1 year).
- Breakdown by purpose of loans to households - The interest rates on loans other than overdraft in levs to the Households sector are divided into three types: loans for house purchases, consumer loans and other loans.


## Data source and data processing

Data sources (reporting units) are commercial banks that are resident on the territory of the Republic of Bulgaria and foreign bank branches registered in Bulgaria. Banks in case of initiated bankruptcy proceedings do not fall under the scope of interest rate statistics.

Interest rates are effective annual rates. They are average weighted with the amounts of new business or with the outstanding amounts as of the end of the reporting period. Up to 31 December 2006 monthly interest rates on new business on loans are calculated by applying the method of averaging rates by the amounts of new business for the weeks of the month. Since 31 January 2007 monthly interest rates on new business on loans are calculated for a calendar month.

## Interest Rate Statistics: Interbank Money Market Deposits and Indices, BIR

Scope

- interbank money market deposits: interest rates and amounts on deposit transactions concluded in the Bulgarian interbank market, divided into the following maturity groups: overnight, over 1 up to 3 days, over 3 up to 7 days, over 7 days up to 1 month and over 1 month.
- interbank market indices: information on indices LEONIA (LEONIA: LEv OverNight Interest Average is a reference rate of the concluded and settled Bulgarian lev overnight deposit transactions), SOFIBOR (SOFIBOR: Sofia Interbank Offered Rate is a fixing of the quotations for unsecured BGN deposits offered in the Bulgarian interbank market) and SOFIBID (SOFIBID: Sofia Interbank Bid Rate, the quotations of the respective "bid" rates). Information on indices EONIA (Euro OverNight Index Average) and EURIBOR (EURo InterBank Offered Rate) is also published.
- base interest rate (BIR): Up to 31 January 2005 the BIR was determined by the average annual yield on the three-month government securities achieved on the primary auction, capitalized at day-count convention "number of days from the day of issue to the maturity of the three-month government securities/360". Since 1 February 2005 , according to Resolution No. 149 of 16 December 2004 of the Governing Council of the BNB, the BIR equals the simple average of the values of the index LEONIA for the business days of the preceding month (base period).

Reporting period - a calendar month.
Source and data processing rules

Monthly data for Bulgaria are calculated on the basis of the daily information on the interbank market received at the BNB from commercial banks. For more information, see www.bnb.bg/Financial Markets.

Monthly interest rates on interbank deposits calculated by weighing the interest rates with the amounts of the deposit transactions concluded for the calendar month are published. Monthly data on indices are calculated as the arithmetic average of daily data.
For monthly data on EONIA and EURIBOR of the European Central Bank, see www.ecb.int. They are not recalculated by the BNB.

## Interest Rate Statistics: Government Securities Secondary Market Yield and the Long-term Interest Rate for Convergence Purposes

## Scope

Yield to maturity achieved on the secondary market of government securities denominated in national currency. Treasury bills are discount government securities issued under Ordinance No. 5 of the Ministry of Finance and Bulgarian National Bank (treasury bills up to 3 months and up to 1 year). Bonds are interest-bearing government securities issued under Ordinance No. 5 of the Ministry of Finance and Bulgarian National Bank with original maturity of over 1 year.

The long-term interest rate (LTIR) for convergence purposes is determined on the basis of the yield to maturity of the secondary market long-term government bonds (benchmark bond). The Central government sector is a bond issuer and the bond is denominated in national currency. The applied guidelines for calculation of the LTIR are developed by the BNB in compliance with the requirements of the European Central Bank and are coordinated with the Ministry of Finance (www.bnb.bg/Statistics/Interest Rate Statistics/Long-term Interest Rate for Convergence Purposes (LTIR)).

Reporting period - one calendar month.

## Data source and data processing

The calculation of the government securities yield on the secondary interbank market and the LTIR is based on information about the secondary market contracts obtained from the CBSRTGS database (Computerized Book-Entry System for Registration of and Trade in Government Securities) of the BNB Fiscal Services Department. For more information, see www.bnb.bg/ Fiscal services.

Monthly values of the secondary market yield on government securities are calculated as the average weighted effective yield on individual transactions achieved on the secondary market during the reporting period.

Monthly values of the LTIR for convergence purposes are calculated as an unweighted average of the daily yields on the benchmark bond.
The yield to maturity on government securities and LTIR is calculated by the ISMA formula at ACT/365 day count convention (the yield to maturity calculated by this formula serves as a nominal long-term interest rate, i.e. no adjustments for coupon effects, taxes, inflation etc. are applied).

## Data Dissemination

The Bulgarian National Bank disseminates monthly data on interest rate statistics on its website (see www.bnb.bg).
Data is also published in the Bulgarian National Bank Monthly Bulletin. Data on interest rate statistics is included in the semi-annual and annual reports of the Bulgarian National Bank.

Data are simultaneously released to all interested parties.

## Contacts

Should you have any questions on the methodology applied by the Bulgarian National Bank or on interest rates statistics data published, please do not hesitate to contact Mrs. Violeta Peicheva, Head of the Monetary and Banking Statistics Division via e-mail at mbstatistics@bnbank.org or by mail to the following address:

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1000 Sofia
BULGARIA


[^0]:     the BIR equals the simple average of the daily values of LEONIA (LEv OverNight Index Average, a reference rate of all overnight unsecured lending transactions in the interbank market) for the business days of the preceding month (base period).
    ${ }^{2}$ For the purposes of comparison, since 1 February 2005 the BIR is capitaized on an annual basis at day-count convention of "30/360".

[^1]:    'The Households sector also includes the NPISHs sector.
    ${ }^{2}$ Outstanding amounts, the information on which is obtained for monetary statistics purposes, are reported for overdraft. Credit lines and revolving credits as well as the respective interest rates applied are reported as overdraft with the exception of credit lines that have a repayment plan, a predetermined maturity and purpose of use. These are reported as credits other than overdratt.

[^2]:    'The Households sector also includes the NPISHs sector.

[^3]:    ${ }^{1}$ A new interest rate statistics, harmonized with the ECB requirements, is under implementation and when enough long time series exist, an enlarged edition will be presented to the users before the end of the year.

