

INSTRUCTIONS

for the web service of the National Bank for the exchange rate list and the exchange rates for government authorities

For automated downloading of the exchange rate list from the web page of the National Bank of the Republic of Macedonia, web service for downloading data in xml format is available on:

<http://www.nbrm.mk/klservice/kurs.asmx>

The web service includes four methods. The first two methods refer to the exchange rate list, while the other two refer to the NBRM exchange rates for conducting international payment operations for the needs of the government authorities.

Exchange rate list:

- **GetExchangeRate**
- **GetExchangeRateD**

The NBRM exchange rates for conducting international payment operations for the needs of the government authorities:

- **GetExchangeRates**
- **GetExchangeRatesD**

When calling the web methods: **GetExchangeRate** and **GetExchangeRateD** identical result is obtained: exchange rate list of the National Bank of the Republic of Macedonia. The only difference between them is the data type of the parameters that are being forwarded:

1. **GetExchangeRate** accepts two parameters: StartDate and EndDate. Both parameters should have a String format and present a valid date in the form: dd.MM.yyyy (For example: StartDate=01.02.2010; EndDate=15.02.2010)
2. **GetExchangeRateD** accepts two parameters: StartDate and EndDate. Both parameters should have Date format and present a valid date. (For example: StartDate=12-feb-2010; EndDate=15-feb-2010)

When calling the web methods **GetExchangeRate** and **GetExchangeRateD**, an exchange rate list created from the following fields has accordingly been obtained:

1. Field: **RBr** вид податоци: **double** - „**Number of exchange rate list** “
2. Field: **Datum** data type: **dateTime** - "**Exchange rate list validity date**"
3. Field: **Valuta** data type: **double** - "**Currency code**"
4. Field: **Oznaka** data type: **string** - "**Type of currency**"

5. Field: **Drzava** data type: **string** - "Country name - in Macedonian"
6. Field: **Nomin** data type: **double** - "Currency units"
7. Field: **Sreden** data type: **double** - "Middle exchange rate in Denars"
8. Field: **DrzavaAng** data type: **string** - "Country name - in English"
9. Field: **DrzavaAl** data type: **string** - "Country name - in Albanian"
10. Field: **NazivMak** data type: **string** - "Type of currency - in Macedonian"
11. Field: **NazivAng** data type: **string** - "Type of currency - in English"
12. Field: **ValuataNaziv_Al** data type: **string** - "Type of currency - in Albanian"
13. Field: **Datum_f** вид податоци: **double** - „Date od creation of exchange rate list“

When calling the web methods: **GetExchangeRates** and **GetExchangeRatesD**, identical result is obtained: The NBRM exchange rates for conducting international payment operations for the needs of the government authorities. The only difference between them is the data type of the parameters that are being forwarded:

3. **GetExchangeRates** that accepts two parameters: **StartDate** and **EndDate**. Both parameters should have a String format and present valid date in the form: dd.MM.yyyy (For example: StartDate=01.02.2010; EndDate=15.02.2010)
4. **GetExchangeRatesD** that accepts two parameters: **StartDate** and **EndDate**. Both parameters should have Date format and present valid date. (For example: StartDate=12-feb-2010; EndDate=15-feb-2010)

When calling the web methods **GetExchangeRates** and **GetExchangeRatesD**, an exchange rate list created from the following fields has accordingly been obtained:

1. Field: **RBr** data type: **double** – "Number of exchange rate list"
2. Field: **Datum** data type: **dateTime** - "Exchange rate list validity date"
3. Field: **Valuta** data type: **double** - "Currency code"
4. Field: **Oznaka** data type: **string** - "Type of currency"
5. Field: **Drzava** data type: **string** - "Country name - in Macedonian"
6. Field: **Nomin** data type: **double** - "Currency units"
7. Field: **Kupoven** data type: **double** - "Buying rate in Denars"
8. Field: **Sreden** data type: **double** - "Middle exchange rate in Denars"
9. Field: **Prodazen** data type: **double** - "Selling rate in Denars"
10. Field: **DrzavaAng** data type: **string** - "Country name - in English"
11. Field: **DrzavaAl** data type: **string** - "Country name - in Albanian"
12. Field: **NazivMak** data type: **string** - "Type of currency - in Macedonian"
13. Field: **NazivAng** data type: **string** - "Type of currency - in English"
14. Field: **ValutaNaziv_AL** data type: **string** - "Type of currency - in Albanian"
15. Field: **Datum_f** вид податоци: **double** - „Date od creation of exchange rate list“

For more technical information about these methods please contact the responsible persons in the National Bank of the Republic of Macedonia through the IT Service Desk on 02/3108246.