January 2008
Monthly provisional values
union for the co-ordination of transmission of electricity
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General remarks and abbreviations used in the tables

- All values of production and consumption in chapter 1, 3&4, 5&6 and 12 are calculated to represent 100% of the national values.

- DK_W Denmark West represents the Western part of Denmark synchronously interconnected with UCTE (Jutland and Funen).

- UA_W Ukraine West represents the so-called Burshtyn Island synchronously interconnected with UCTE.

- CET Central European Time

- The Bulgarian load values on the 3rd Wednesday are gross values

Monthly provisional values from UCTE database as of 29 May 2008
### Electricity supply situation of the countries

#### January 2008

<table>
<thead>
<tr>
<th>Countries</th>
<th>Net production in GWh</th>
<th>Exchange balance in GWh</th>
<th>Pump in GWh</th>
<th>Consumption in GWh</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Therm. nuclear</td>
<td>Therm. conv.</td>
<td>Hydro prod</td>
<td>Other renew.</td>
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</table>

1 Including deliveries from industry
2 The reported figures are best estimates based on actual measurements and extrapolations
3 Operational data

All representativities of the national production and consumption values used to calculate values at a representativity of 100% as stated in the table above:
These physical energy flows were measured on the cross-frontier transmission lines (< 110 kV) listed in table 9 of the Statistical Yearbook. These values may differ from the official statistics and the exchange balances in chapter 1.

1 Other III: Albania, Belarus, Denmark East, Great Britain, Morocco, Republic of Moldavia, Norway, Sweden, Republic of Turkey and Ukraine

These physical energy flows were measured on the cross-frontier transmission lines (< 110 kV) listed in table 9 of the Statistical Yearbook. These values may differ from the official statistics and the exchange balances in chapter 1.
3

Monthly consumption

January 2008

Graph showing monthly consumption for various countries from 2007 to 2008.
4 Monthly consumption variation

January 2008
Monthly consumption variation

Values in %

2007

2008

I

II

III

IV

V

VI

VII

VIII

IX

X

XI

XII

HU

IT

LU

ME

MK

NL

PL

PT

RO

RS

SI

SK

UA_W

MK
Consumption of the last 12 months

UCTE January 2008

TWh

0 3000

1500

350

700

120

90

60

30

DE
FR
IT
ES
PL

BE
NL
AT
GR
HU

2003 2004 2005 2006 2007 2008
Consumption of the last 12 months

* CS consumption values until December 2006; from 2007 on ME and RS as separate countries
Variation of the last 12 months´consumption in %
Variation of the last 12 months’s consumption in %

CS consumption values until December 2006; from 2007 on ME and RS as separate countries
Load flows (night) on 16.01.08 at 03:00 a.m. CET in MW

Synchronous operation with UCTE region

I = Import balance
E = Export balance

January 2008

UCTE = 33754 MW
Total = 38688 MW

Sum of load flows in MW

UCTE January 2008
Load flows (day) on 16.01.08 at 11:00 a.m. CET in MW

January 2008

Sum of load flows in MW

UCTE = 40167 MW

Total = 46019 MW

Synchronous operation with UCTE region

I = Import balance
E = Export balance
9
Unavailability of international tie lines
(major events with sum over 115 minutes)

January 2008

Reasons:
R1 - Maintenance
R2 - Repair
R3 - New constructions
R4 - Overload (also calculated break)
R5 - False operation
R6 - Failure in production device or other element
R7 - Outside impacts (animals, trees, fire, avalanches, ...)
R8 - Very exceptional conditions (weather, natural disaster, ...)
R9 - Other reasons
R10 - Unknown reasons
Reasons:
R4 Overload (also calculated break)
R5 False operation
R6 Failure in protection device or other element
R7 Outside impacts (animals, trees, fire, avalanches, ...)
R8 Very exceptional conditions
R9 Other reasons
R10 Unknown reasons

<table>
<thead>
<tr>
<th>No</th>
<th>Country</th>
<th>Substation</th>
<th>Reason</th>
<th>Energy not supplied</th>
<th>Total loss of power</th>
<th>Restoration time</th>
<th>Equivalent time of interruption</th>
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</tr>
</tbody>
</table>

¹ ( year [in min] * energy not supplied ) / consumption last 12 months
## Control areas can differ from national borders (i.e. German block which includes parts of AT, LU and DK).

- Values are calculated on an hourly base (MWh).
- This values are not the provisional values entered in the VULCANUS system, but the definitive values after an eventual correction during the actual date.

### Scheduled exchanges in MWh

<table>
<thead>
<tr>
<th>Control area</th>
<th>Export Programs</th>
<th>Import Programs</th>
<th>Export Programs at 03:00</th>
<th>Import Programs at 03:00</th>
<th>Export Programs at 11:00</th>
<th>Import Programs at 11:00</th>
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</thead>
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</table>

- Control areas can differ from national borders (i.e. German block which includes parts of AT, LU and DK).
- Values are calculated on an hourly base (MWh).
- This values are not the provisional values entered in the VULCANUS system, but the definitive values after an eventual correction during the actual date.

- Export Programs: Sum of all positive values of every hour of every border
- Import Programs: Sum of all negative values of every hour of every border

- Export Programs at 03:00: Sum of all positive values the third Wednesday from 02:00 to 03:00 a.m.
- Import Programs at 03:00: Sum of all negative values the third Wednesday from 02:00 to 03:00 a.m.

- Export Programs at 11:00: Sum of all positive values the third Wednesday from 10:00 to 11:00 a.m.
- Import Programs at 11:00: Sum of all negative values the third Wednesday from 10:00 to 11:00 a.m.
Load on the 3rd Wednesday

January 2008

Variation as compared to corresponding month of the previous year

Load values as of January 2007

The reported figures are best estimates based on actual measurements and extrapolations.

Operational data

Highest load
MW var.%\(^1\) Load representativity

\begin{array}{|l|c|c|}
\hline
\text{Country} & \text{Load} & \text{Representativity} \\
\hline
\text{AT} & 8733 & \text{n.a.} \\
\text{BA} & 1793 & 3,3 \\
\text{BE} & 13300 & 1,5 \\
\text{BG} & 6560 & 14,4 \\
\text{CH} & 9610 & 4,7 \\
\text{CZ} & 9804 & 5,1 \\
\text{DE} & 73714 & -11,0 \\
\text{DK}_W & 3664 & 1,4 \\
\text{ES} & 42118 & 4,1 \\
\text{FR} & 77932 & 7,2 \\
\text{GR} & 8013 & 2,8 \\
\text{HR} & 2740 & 4,5 \\
\text{HU} & 6286 & 3,0 \\
\text{IT} & 52632 & 0,1 \\
\text{LU} & 1041 & 5,0 \\
\text{ME} & 670 & 4,0 \\
\text{MK} & 1431 & 8,4 \\
\text{NL} & 15088 & -15,4 \\
\text{PL} & 21901 & 3,5 \\
\text{PT} & 8386 & 0,3 \\
\text{RO} & 8439 & 38,4 \\
\text{RS} & 6520 & -14,4 \\
\text{SI} & 1866 & -8,9 \\
\text{SK} & 4275 & 2,1 \\
\text{UCTE} & 382230 & 0,3 \\
\text{UA}_W & 944 & 2,9 \\
\hline
\end{array}

1 Variation as compared to corresponding month of the previous year
2 Load values as of January 2007
3 Operational data