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Seasonally adjusted industrial production decreased by 4.2 per cent in July over the previous month. When compared to July 2013, the index of industrial production adjusted for working days went down by 0.3 per cent.

## Index of Industrial Production: July 2014

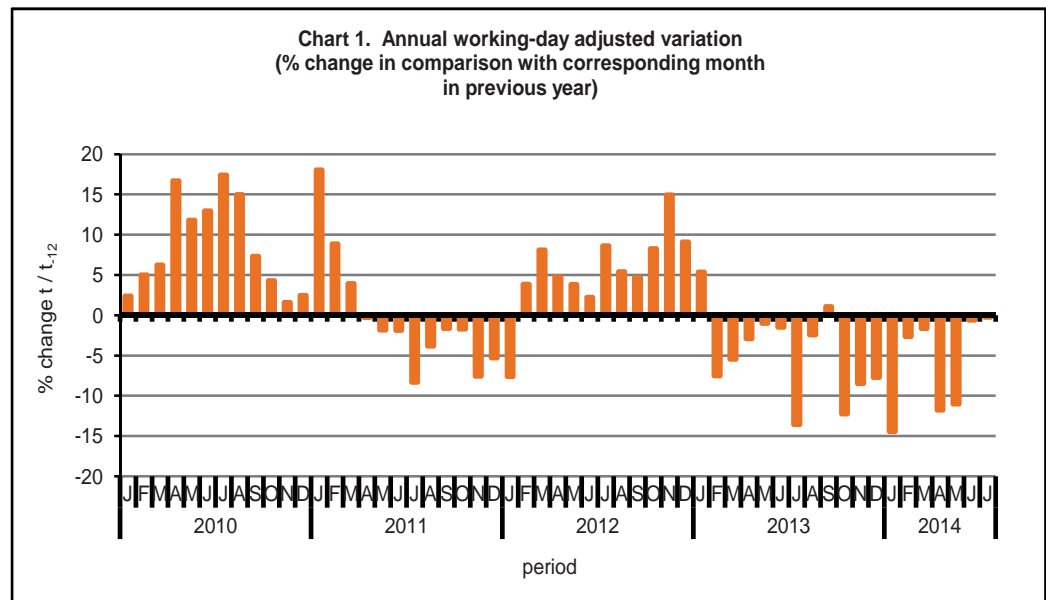
Cut-off date:  
4 September 2014

### Monthly comparison

In July, the overall index of industrial production decreased by 4.2 per cent to 93.9 points. Decreases were registered in the production of consumer goods (-3.1 per cent), intermediate goods (-2.1 per cent) and energy (-1.3 per cent). On the other hand, the production of capital goods went up by 1.5 per cent.

### Annual comparison

When compared to the corresponding month last year, the index of industrial production went down by 0.3 per cent. Decreases were registered in the production of intermediate goods (-4.7 per cent) and energy (-3.3 per cent). On the other hand, the production of capital goods and consumer goods went up by 7.4 and 2.7 per cent respectively ■



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**Table 1. Industrial production indices (2010=100)**  
(seasonally adjusted)

| Main industrial grouping   | Jul 13      | Aug 13       | Sep 13       | Oct 13      | Nov 13      | Dec 13      | Jan 14      | Feb 14      | Mar 14      | Apr 14      | May 14      | Jun 14      | Jul 14      |
|----------------------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>TOTAL PRODUCTION</b>    | <b>94.0</b> | <b>100.8</b> | <b>101.2</b> | <b>94.8</b> | <b>97.5</b> | <b>95.7</b> | <b>92.7</b> | <b>96.5</b> | <b>98.6</b> | <b>92.0</b> | <b>92.0</b> | <b>98.0</b> | <b>93.9</b> |
| Intermediate goods         | 94.2        | 96.1         | 97.1         | 91.7        | 88.6        | 85.4        | 85.2        | 88.7        | 88.9        | 87.2        | 84.3        | 90.0        | 88.1        |
| Energy                     | 103.8       | 105.4        | 106.4        | 107.7       | 106.0       | 105.9       | 104.1       | 102.6       | 103.5       | 104.8       | 103.7       | 102.0       | 100.6       |
| Capital goods              | 109.3       | 108.8        | 112.3        | 110.6       | 111.9       | 115.0       | 114.2       | 113.6       | 112.1       | 117.0       | 112.1       | 115.6       | 117.3       |
| Consumer goods             | 88.0        | 97.1         | 96.6         | 90.5        | 97.2        | 93.0        | 90.9        | 98.0        | 95.2        | 87.6        | 90.6        | 93.8        | 90.9        |
| Durable consumer goods     | 81.2        | 77.2         | 86.6         | 81.6        | 78.5        | 80.2        | 82.3        | 90.7        | 94.4        | 87.4        | 88.0        | 91.5        | 87.9        |
| Non-durable consumer goods | 88.7        | 99.0         | 97.7         | 91.3        | 98.9        | 94.1        | 91.5        | 98.6        | 95.3        | 87.6        | 90.8        | 94.2        | 91.3        |

**Table 2. Monthly variation by main industrial grouping (% change in comparison with previous month)**  
(seasonally adjusted)

| Main industrial grouping   | Jul 13      | Aug 13     | Sep 13     | Oct 13      | Nov 13     | Dec 13      | Jan 14      | Feb 14     | Mar 14     | Apr 14      | May 14     | Jun 14     | Jul 14      |
|----------------------------|-------------|------------|------------|-------------|------------|-------------|-------------|------------|------------|-------------|------------|------------|-------------|
| <b>TOTAL PRODUCTION</b>    | <b>-5.1</b> | <b>7.2</b> | <b>0.5</b> | <b>-6.3</b> | <b>2.9</b> | <b>-1.9</b> | <b>-3.1</b> | <b>4.1</b> | <b>2.2</b> | <b>-6.7</b> | <b>0.0</b> | <b>6.5</b> | <b>-4.2</b> |
| Intermediate goods         | -1.0        | 2.0        | 1.1        | -5.6        | -3.4       | -3.6        | -0.3        | 4.2        | 0.2        | -1.9        | -3.4       | 6.8        | -2.1        |
| Energy                     | -0.1        | 1.6        | 1.0        | 1.2         | -1.6       | -0.1        | -1.7        | -1.5       | 0.9        | 1.2         | -1.0       | -1.7       | -1.3        |
| Capital goods              | 0.5         | -0.4       | 3.3        | -1.5        | 1.1        | 2.8         | -0.7        | -0.5       | -1.4       | 4.4         | -4.2       | 3.1        | 1.5         |
| Consumer goods             | -8.8        | 10.3       | -0.5       | -6.3        | 7.4        | -4.3        | -2.2        | 7.8        | -2.9       | -7.9        | 3.3        | 3.6        | -3.1        |
| Durable consumer goods     | 1.7         | -4.9       | 12.1       | -5.7        | -3.8       | 2.2         | 2.7         | 10.2       | 4.0        | -7.4        | 0.7        | 4.0        | -3.9        |
| Non-durable consumer goods | -9.5        | 11.6       | -1.3       | -6.5        | 8.2        | -4.8        | -2.8        | 7.8        | -3.4       | -8.0        | 3.6        | 3.7        | -3.1        |

The calculation of growth rates from the indices tables may slightly differ from the growth rates published due to rounding. Data are provisional and subject to revision.

**Table 3. Industrial production indices (2010=100)  
(working day adjusted)**

| Main industrial grouping   | Jul 12       | Jul 13       | Aug 13      | Sep 13       | Oct 13      | Nov 13      | Dec 13      | Jan 14      | Feb 14      | Mar 14       | Apr 14      | May 14      | Jun 14       | Jul 14       |
|----------------------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|--------------|
| <b>TOTAL PRODUCTION</b>    | <b>117.4</b> | <b>101.5</b> | <b>95.4</b> | <b>105.2</b> | <b>97.9</b> | <b>95.9</b> | <b>85.0</b> | <b>88.4</b> | <b>91.5</b> | <b>106.2</b> | <b>92.8</b> | <b>92.6</b> | <b>102.5</b> | <b>101.2</b> |
| Intermediate goods         | 106.0        | 92.1         | 86.8        | 109.8        | 95.2        | 89.6        | 85.9        | 76.4        | 80.3        | 102.0        | 82.8        | 76.0        | 104.4        | 87.8         |
| Energy                     | 131.3        | 124.4        | 129.8       | 114.4        | 109.9       | 96.5        | 99.3        | 100.6       | 91.1        | 96.1         | 93.5        | 98.4        | 102.6        | 120.3        |
| Capital goods              | 98.8         | 108.2        | 102.2       | 122.5        | 115.0       | 109.1       | 102.4       | 109.9       | 104.9       | 120.5        | 122.7       | 112.0       | 123.3        | 116.2        |
| Consumer goods             | 128.0        | 99.9         | 85.5        | 93.0         | 91.2        | 96.8        | 71.9        | 88.8        | 98.0        | 107.6        | 93.3        | 99.5        | 96.0         | 102.6        |
| Durable consumer goods     | 88.6         | 85.8         | 68.5        | 85.5         | 84.3        | 83.8        | 69.4        | 83.9        | 89.8        | 97.2         | 89.5        | 89.6        | 92.5         | 92.9         |
| Non-durable consumer goods | 131.4        | 101.1        | 86.9        | 93.8         | 91.8        | 97.9        | 72.2        | 89.3        | 98.7        | 108.4        | 93.6        | 100.3       | 96.4         | 103.5        |

**Table 4. Annual variation by main industrial grouping (% change in comparison with corresponding month in previous year)  
(working day adjusted)**

| Main industrial grouping   | Jul 12     | Jul 13       | Aug 13      | Sep 13     | Oct 13       | Nov 13      | Dec 13      | Jan 14       | Feb 14      | Mar 14      | Apr 14       | May 14       | Jun 14      | Jul 14      |
|----------------------------|------------|--------------|-------------|------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|-------------|
| <b>TOTAL PRODUCTION</b>    | <b>8.6</b> | <b>-13.6</b> | <b>-2.4</b> | <b>1.0</b> | <b>-12.3</b> | <b>-8.5</b> | <b>-7.7</b> | <b>-14.4</b> | <b>-2.6</b> | <b>-1.6</b> | <b>-11.8</b> | <b>-11.0</b> | <b>-0.6</b> | <b>-0.3</b> |
| Intermediate goods         | 7.1        | -13.2        | -7.6        | 1.0        | -20.1        | -20.6       | -18.0       | -29.3        | -12.1       | -3.9        | -20.2        | -19.6        | 3.1         | -4.7        |
| Energy                     | 6.4        | -5.3         | -3.5        | 2.5        | -0.6         | -0.4        | 1.2         | -0.1         | -0.3        | -0.7        | -0.6         | -1.9         | -2.0        | -3.3        |
| Capital goods              | -3.2       | 9.5          | 5.4         | 12.9       | 5.0          | 11.4        | 15.4        | 11.7         | 11.3        | 4.2         | 11.1         | 1.1          | 6.3         | 7.4         |
| Consumer goods             | 16.5       | -22.0        | -1.3        | 0.7        | -14.7        | -6.6        | -5.0        | -13.4        | -0.7        | -1.9        | -16.9        | -12.7        | -2.2        | 2.7         |
| Durable consumer goods     | -2.9       | -3.1         | -11.2       | 2.5        | -6.2         | -7.8        | -2.3        | 1.9          | 6.2         | 19.9        | 3.7          | 9.2          | 14.9        | 8.3         |
| Non-durable consumer goods | 18.0       | -23.1        | -0.6        | 0.7        | -15.3        | -6.6        | -5.1        | -14.5        | -1.2        | -3.3        | -18.3        | -14.0        | -3.3        | 2.3         |

The calculation of growth rates from the indices tables may slightly differ from the growth rates published due to rounding. Data are provisional and subject to revision.

## Methodological Notes

1. The Index of Industrial Production (IIP) is regarded as one of the most important measures of economic activity. Developments in the industrial production index describe the economic cycles of industry. For short-term statistics this index is the reference indicator for economic development and is used in particular to identify changes in trends at an early stage. The index of industrial production has been compiled since January 2000. The index monitors the changes in production of leading products from a sample of industrial enterprises. These sampled enterprises cover over 95 per cent of total industrial production.
2. The index numbers in this release are working-day and seasonally adjusted. These statistical methods aid interpretation of data by removing regularly recurring variations from a time series.
  - a. Working-day adjustment is a statistical method for removing the calendar effect from an economic time series. The calendar effect is the variation caused by the changing number of working days in different months. The number of working days for a given month may depend on the timing of certain public holidays, the possible overlap of certain public holidays and non-working days and the occurrence of a leap year. This method is used to compare data with the corresponding month of the previous year.
  - b. Seasonal adjustment removes variations which include effects due to month lengths, holidays and particular events such as Christmas. Statistically, seasonal adjustment takes place after a time series has already been cleared of calendar effects by way of working-day adjustment. This method is used to compare data with the previous month. In seasonal and working-day adjustments, the direct approach is used, meaning that each time series is adjusted on an individual basis.
3. Figures for the past 26 months, including the reference month, are to be considered as provisional and are therefore subject to revision.
4. The number of enterprises surveyed in this sample is around 180. Data on physical quantities are collected from 50% of these enterprises. Furthermore, 30% are estimated according to the number of hours worked and 20% have their turnover deflated by use of the Industrial Producer Prices.
5. A Laspeyres-type index is used for calculating the index of industrial production with 2010 as the base year.
6. The NSO has adopted methodologies and guidelines recommended by Eurostat and the International Monetary Fund (IMF).
7. The objective of Main Industrial Groupings (MIGs) is to provide an activity breakdown of industry (NACE Rev. 2 Sections B, C, D and E). There are five MIGs which regroup all the activities between NACE Sections B to E and cover the economic activities of companies in quarrying, manufacturing and energy.

### The weights for the aggregates are shown below:

| Main Industrial Grouping   | Value added  |
|----------------------------|--------------|
| <b>TOTAL</b>               | <b>100.0</b> |
| Intermediate goods         | 35.8         |
| Energy                     | 16.3         |
| Capital goods              | 11.7         |
| Consumer goods             | 36.2         |
| Durable consumer goods     | 2.9          |
| Non-durable consumer goods | 33.3         |