# QUALITY REPORT 2017

## Index of production and turnover in industry

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## Content:

# 1. Introduction – Basic information about the survey

## 1.1 Purpose, goal and subject of the survey

The aim of the monthly report on industry IND-1 is to provide data on industrial production and turnover.  The data are used to monitor the volume and dynamics of movement of the physical volume of industrial production, turnover, analysis of the scope and changes in the structure of industrial production, analysis of the seasonal characteristics of the production's overall economic developments.

## 1.2 Legal basis

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12) defines provisions for collection, processing, and dissemination of data. The Law provides to the Statistical Office clear and wide legal powers to collect and access the data necessary for the implementation of Programme and Annual Plan. The Law gives a priority to the use of administrative data and right of access to individual data that are a result of survey of other official statistical producers. As an annex to legal provisions, Statistical Office has signed several memoranda on cooperation with administrative data providers.

## 1.3 Statistical units

Observation units for calculation index of industrial production are enterprises (companies) with 5 or more employees, with a turnover reported in the balance sheet for the previous year, whose main activity is industrial production (ie registered in sectors B, C and D of Nace Rev.2  Classification), as well as KAU of companies which carrying out the industrial production.  Observation units for calculation index of industrial turnover are enterprises (companies) with 5 or more employees, with a turnover reported in the balance sheet for the previous year, whose main activity is industrial production (ie registered in sectors B and C of Nace Rev.2  Classification), as well as KAU of companies which carrying out the industrial production.

## 1.4 Coverage and scope of survey

### 1.4.1 Sectors

B, C and D of NACE Rev 2.

### 1.4.2 Statistical population

Framework for a list of enterprises was established on the basis of data from the Statistical Business Register, which includes all active businesses in the industry (sections B, C and D of Activity Classification) and parts of enterprises that meet the criteria set for this study. From the frames are excluded entrepreneurs and companies whose turnover is equal to zero.

## 1.5 Referent geographical area

The whole territory of Montenegro.

## 1.6 Concepts and definitions

The stocks of finished products at the end of the month shall be included in the value of stocks of finished products at the end of the reference month. The value is expressed in thousands EUR.

Total turnover-refers to the income from the sale of goods and services minus returns and discounts, subsidies and VAT. The value is expressed in thousands of EUR and filled in the reference month.

Domestic turnover is turnover sales of industrial products and services in the domestic market. The value is expressed in thousands EUR.

Non-domestic turnover is turnover sales of industrial products and services to foreign markets. The value is expressed in thousands EUR.

Turnover of other activities generated from other activities. The value is expressed in thousands EUR
Finished production is presented for the reporting month and represents the amount of product that they
have reached an appropriate level of treatment, so that the code and the name of the product is defined by
the current most important products.

## 1.7 Classifications

 NACE Rev. 2, PRODCOM

## 1.8 Frequency of data collection

Monthly.

## 1.9 Frequency of data dissemination
Monthly according to Statistical Data Release Calendar.

## 1.10 Methodology

http://monstat.org/userfiles/file/industrija/proizvodnja%20i%20promet/4_%20Methodology_Index%20of%20
produstion%20and%20turnover%20in%20industry_EN.pdf

## 1.11 Base period

The base year is 2015.

## 1.12 Unit of measure

Turnover - in EUR.   Changes compared to the previous periods - showed in percentage (%).

## 1.13 Source of data

Data are collected on a basis of enterprises and KAU with 5 and more employees of reporting units including
Statistical Business Register (SBR) in MONSTAT which are registered in the section B-Mining and quarrying,
C-Manufacturing and D-Electricity, gas, steam and air-conditioning supply. Nace Rev. 2 classification.

## 1.14  Method of collection data
 Data are collected used reporting method (by post, email or fax).

# 2. Relevance – Data users

## 2.1 User needs

International users:
- Eurostat,
- World Bank,
- UN organizations,
- International Monetary Fund
National users:
- Ministries and other public administration bodies,
- Local government and  other local government bodies.
- Central bank
- Non-governmental organizations,
- Students,
- Researchers,
- Media.

## 2.2 User satisfaction

The Statistical Office has adopted the Quality Management Strategy, the Guidebook to the Implementation of the Quality Management Strategy, as well as the Plan for the Implementation of the Quality Policy. In order to measure the degree to which fulfills obligations towards users and within the new quality policy, the Statistical Office conducted User satisfaction survey. Data collection was carried out through a web survey, in the period from 1 September to 20 October, 2017. The results of the survey are available on the Statistical Office website, link: http://www.monstat.org/userfiles/file/KVALITET/Izvjestaj%20o%20zadovoljstvu%20korisnika%20eng.pdf.

# 3. Accuracy and reliability

## 3.1 Accuracy – Overall

The monthly survey production and turnover in industry results are based on coverage of 5 and more employees method of data collected from reporting units and are subject to the usual types of errors  as well as  measurement errors, processing errors, and non-response.

## 3.2 Sampling error

Not relevant.

*Indicators of sampling error (A1)*

Not relevant.

## 3.3 Non-sampling error

Not relevant.

### 3.3.1 Coverage error

Not relevant.

*Indicators of coverage error (A2)*

Not relevant.

### 3.3.2 Error of measurement

Not relevant.

### 3.3.3 Non response error

Not relevant

*Unresponsive unit rate (A3)*

Not relevant.

*Non response rate*

Not relevant.

### 3.3.4 Error processing the data

Not relevant.

*Imputation rate*

Not relevant

## 3.4 Seasonal adjustment
Not relevant.

## 3.5 Data revision

### 3.5.1 Data revision policy

Statistical Office has adopted the revision policy and it is available on the website
http://www.monstat.org/userfiles/file/o%20nama/2017/Revision%20policy.pdf

### 3.5.2 Data revision practice

Survey of production and turnover in industry uses regular revisions. Large and unplanned revisions are only used in the specific cases defined by the revision policy.

### 3.5.3 Data revision - average size (A6)

Not relevant.

# 4. Timeliness and punctuality

## 4.1 Timeliness

The data are published 30 days after the end of the observed month.

### Time lag of the first results

The number of days (or weeks or months) from the last day of the reference period to the day of publication of first results: $T1 = dfrst - dref$, $T1 = 35$ days, dfrst - release date of first results; dref - last day (date) of the reference period of the statistics. During 2017 the data are published according to the Statistical Release Calendar.

### Time lag of the final results

The number of days (or weeks or months) from the last day of the reference period to the day of publication of complete and final results. Data from this survey are published 30 days after the end of the reference period in accordance with release calendar.

## 4.2 Punctuality
Deadlines for publishing have been complied in accordance with the calendar of release

# 5. Availability and clarity

## 5.1 Statistical Release Calendar

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12) stipulates that official statistical producers prepare, update, and publish Statistical Release Calendar. It is published on the website of Statistical Office not later than 20 December for the next year, for all official statistical producers that includes date of releasing statistical data. Any change in date of releasing in the Calendar is published in advance in accordance with the Procedure on Unplanned Revisions.

## 5.2 Access the data Release Calendar
http://monstat.org/userfiles/file/o%20nama/2017/Kalendar_2017_eng_Monstat.pdf
## 5.3 Releases

Data are available on the website: http://monstat.org/eng/page.php?id=274&pageid=34

## 5.4 Publication

Statistical Office publishes the following regular publications:

1. Statistical Yearbook,
2. Montenegro in Figures,
3. Monthly statistical review.

In addition to the above regular ones, Statistical Office publishes also additionally publications. Some of the most important additional publications are as it follows:

1. Women and Men in Montenegro,
2. The most often used statistical data.

All publication published by Statistical Office are available at the following link: http://monstat.org/eng/publikacije.php

## 5.5 On-line database

http://monstat.org/eng/pxweb.php

## 5.6 Access to micro data

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12) regulates rules under which external users can obtain an access to individual data for needs of research. Article 58 defines types of scientific and research organizations that can obtain such data. Providing individual data without identifier is possible only upon a written request of scientific and research institutions, with purpose of performing scientific and research activities as well as international statistical organizations and statistical producers from other countries. Research entity signs the agreement with Statistical Office, and it signs the statement on respecting the confidentiality principle.  Official statistical producers keeps a separate records on users and purpose of using the statistical data given to these users

## 5.7 Metadata occupancy

The ratio of the number of metadata elements provided to the total number of metadata elements applicable. For these survey, the metadata fill rate is 100%.

# 6. Comparability

## 6.1 Spatial comparability

Not relevant

## 6.2 Time comparability

Comparable data are published since 2010.

*Time comparability indicator*
Not relevant