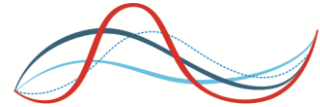




REPUBLIC OF CROATIA



CROATIAN BUREAU OF STATISTICS

QUALITY REPORT FOR STATISTICAL SURVEY
Monthly Report on Building Permits Issued
(GRAD-44a)
For 2018

Organisation unit: Construction Statistics Department
Prepared by: Pađen Blanka

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0. Basic information

- Purpose, goal, and subject of the survey

The aim of the statistical survey on building permits issued is to obtain data on types, building size, expected value and location of constructions to be built, type of investor as well as on the number and total useful floor area of dwellings in buildings for which building permits were issued.

Data on issued building permits make it possible to define the change dynamics of the construction activity as well as to plan future works and the structure of investments both at state and local self-government levels. The data serve as a base for planning the production of construction materials and ready-made components as well as of other industrial products for fitting buildings and dwellings, for making decisions on the development of construction entrepreneurship and various housing-related services etc.

The object of the survey is every building permit issued for constructions as specified in the Building Act (NN, Nos 153/13 and i 20/17).

- Reference period

Month.

- Legal acts and other agreements

The legal bases for the Monthly Report on Building Permits Issued (GRAĐ-44a form) are the following:

- Official Statistics Act (OG, Nos 103/03, 75/09, 59/12 and 12/13 – consolidated text)
- Programme of Statistical Activities of the Republic of Croatia
- Annual Implementation Plan of Statistical Activities of the Republic of Croatia
- Council Regulation (EC) No 1165/98 of 19 May 1998 concerning short-term statistics
- Regulation (EC) No 1158/2005 of the European Parliament and of the Council of 6 July 2005 amending Council Regulation (EC) No 1165/98 concerning short-term statistics
- Commission Regulation (EC) No 1503/2006 of 28 September 2006 implementing and amending Council Regulation (EC) No 1165/98 concerning short-term statistics as regards the definition of variables, list of variables and frequency of data compilation.

The obligation of reporting units to submit data is based on Article 38 of the Official Statistics Act (OG, Nos 103/03, 75/09, 59/12 and 12/13 – consolidated text).

In case of the refusal to provide data, the provision of incomplete or incorrect data or the provision of data out of the time schedule, penalty provisions defined in Articles 69 and 70 of the Act shall apply.

- Classification system

National Classification of Types of Constructions

- Concepts and definitions

According to the Methodology of Short-Term Indicators in Construction, the building permit means allowance to start building works. It is issued by a competent body on an investor's request.

This is a general definition, while every country has its own regulations that define this field at a more detailed level.

The issuing of building permits in the Republic of Croatia is done according to the provisions of the Building Act (NN, No. 153/13 and 20/17).

Building permits are all issued (valid) documents that are the basis for starting the construction works.

The report includes building permits for building of new constructions and for reconstruction of existing constructions.

The following data are collected on the Monthly Report:

- Number of building permits issued by types of constructions, works and investor of the work
- Construction size of buildings (m² and m³)
- Planned value of works on constructions for which building permits were issued
- Number of dwellings and useful floor area of dwellings
- Number of dwellings by types of constructions, works and number of rooms.

Data are collected monthly and include all building permits issued during the reporting month.

Detailed definitions of the variables described are available in the Methodological Guidelines No. 68. entitled the Monthly Report on Building Permits Issued (2011 Revision), Croatian Bureau of Statistics, Zagreb, 2012, and in the Commission Regulation (EC) No. 1503/2006 of 28 September 2006 implementing and amending Council Regulation (EC) No. 1165/98 concerning short-term statistics as regards the definition of variables, list of variables and frequency of data compilation.

- **Statistical units**

Reporting units are administration bodies competent for construction affairs in major cities, the City of Zagreb and counties as well as the Ministry of Construction and Physical Planning, which issue building permits.

Observation units are all building permits issued for all types of constructions and works.

- **Statistical population**

All building permits issued for all types of constructions and works; number of constructions; construction size of buildings (gross floor area and gross volume); square metres of useful floor area of buildings; number of dwellings by types of construction works and number of rooms as well as useful floor area of dwellings.

The Report covers 139 reporting units that issued building permits.

1. Relevance

1.1. Data users

Users of statistical data on building permits issued can be found in all areas of economic and social life, starting from business entities, media, economic analysts, researchers and students, to state administration bodies, professional business organisations (the Croatian Chamber of Economy), non-profit organisations (the Croatian Employers' Association), financial institutions (the Croatian National Bank, Raiffeisen bank, etc.) and other international institutions.

1.1.1 User needs

Users of statistical data on building permits issued can be found in all areas of economic and social life, starting from business entities, media, economic analysts, researchers and students, to state administration bodies, professional business organisations (the Croatian Chamber of Economy), non-profit organisations (the Croatian Employers' Association), financial institutions (the Croatian National Bank, Raiffeisen bank, etc.) and other international institutions, which use data series on the number and types of constructions for which building permits were issued, the number and floor area of buildings and dwellings and on dwellings by the number of rooms.

1.1.2 User satisfaction

Not available.

1.2. Completeness

Data are complete and in line with concepts and definitions based on requirements of the Regulation No 1165/98 and a methodological manual for short-term business statistics.

1.2.1 Data completeness rate

Data completeness rate is 100%

2. Accuracy and reliability

2.1. Sampling error

Not applicable. In order to collect data on all building permits issued (i.e. for the whole population) for different types of constructions according to the National Classification of Types of Constructions (NKVG), the Croatian Bureau of Statistics carries out an exhaustive survey as a data collection method (not sampling method).

2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

2.1.2 Bias due to sample selection process

Indicator for this survey is not applicable.

2.2. Non-sampling error

Non-sampling errors are other errors that are not connected with the sample selection – coverage, measurement, processing, non-response.

They are regularly calculated and checked.

2.2.1 Coverage error

The coverage of building permits issued is determined by the National Classification of Types of Constructions (NKVG) and covers section 1 (Buildings) and section 2 (Civil engineering works). No section (unit) is excluded from the coverage, so the coverage error is 0.

2.2.2 Over-coverage rate

Indicator for this survey is not applicable.

2.2.3 Measurement errors

Errors in measurements while collecting data occur due to ignorance, negligence, lack of appreciation of importance of statistics, not knowing how to respond and conscious/unconscious presenting inaccurate data by respondents. Problems connected with the presentation of inaccurate data by respondents due to unclear questions in the questionnaire, measurement units or instructions for filling in the forms are minor owing to the fact that the availability of data was taken into consideration while defining their contents. In addition, reporting units are welcome to contact branch units of the Croatian Bureau of Statistics and the Administrative Body of the City of Zagreb competent for official statistics issues (who help reporting units in filling in reports and check the completeness and accuracy of data before they are submitted to the Croatian Bureau of Statistics), or directly the Croatian Bureau of Statistics.

These measurement errors do not represent a major issue, since they are revealed during the visual and calculation checks of data before they are entered in the computer as well as by the default computerised logical and calculation checks during data processing. When such illogicalities or errors are spotted, reporting units are contacted for the check-up of inaccurate and incomplete data and for the correction of inaccurate data.

2.2.4 Non-response errors

Unit non-response

The survey is exhaustive. Response rate is 100%. All data are available according to deadlines. For late or missing data, units are contacted by phone or via urging letters and asked to provide the missing data.

Item non-response rates

There is no case of item non-response in the survey since, in the data processing phase, the reporting units that have not fully completed the questionnaire are contacted by phone and asked to provide corrected or missing data. The item response rate of 100% is achieved every month.

2.2.5 Unit non-response rate

Unweighted unit non-response rate:

%

Domain	Domain value	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Croatia		0	0	0	0	0	0	0	0	0	0	0	0	0

2.2.6 Item non-response-rate

Unweighted item non-response rate:

%

Variable	Domain	Domain value	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
Non-response rate for all variables	Croatia		0	0	0	0	0	0	0	0	0	0	0	0	0

2.2.7 Processing errors

The Croatian Bureau of Statistics controls whether data are accurate, fully covered and logical, codes identification and other data, enters data and performs computer processing. Source data validation is performed before and after they are entered into the data processing system. The incorrect, incomplete and missing data are corrected.

Statisticians enter and code the data manually. Data validation is performed according to the specified conditions.

Respondents' errors, coding errors and data entry errors are corrected manually and electronically as follows:

- manual data validation is performed before entering source data into the computer. The reporting units that have not fully completed the questionnaire (incorrect, incomplete or missing data) are contacted by telephone and asked to provide corrected and complete data.
- electronic data validation is performed after entering data into the computer. Reports that fail to meet the quality standards are subject to verification and corrections as required. The correction procedures are implemented by priority: severe errors are generally corrected manually and more effort is spent on these, while less attention is paid to minor errors that are mostly corrected automatically through computerised input.

2.2.8 Imputation rate

Unweighted imputation rate:

Variable	Domain	Domain value	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
All variables	Croatia		0	0	0	0	0	0	0	0	0	0	0	0	0

%

2.2.9 Editing rate

Indicator for this survey is not computed.

2.2.10 Hit rate

Indicator for this survey is not computed.

2.2.11 Model assumption error

Not available.

2.3. Data revision

2.3.1 Data revision – policy

The users of statistical data are informed about revisions (provisional, final data) on the website of the Croatian Bureau of Statistics.

Revisions are done for correcting errors or major changes in classifications or methodology. Routine revisions are not carried out since all monthly data are available according to deadlines.

Notices about minor changes are announced in the First Release at the time the change has been introduced.

The same revision policy is applied to data publishing, both for national purposes and when submitting data to the Eurostat.

The data publishing revision policy of the Croatian Bureau of Statistics includes the following:

- 1) Updating the Calendar of Statistical Data Issues
- 2) Issuing corrections of published data

- 1) Updating the Calendar of Statistical Data Issues.

The data publishing revision policy of the Croatian Bureau of Statistics, which is carried out according to the defined deadlines, is carried out by updating the Calendar of Statistical Data Issues. According to the Official Statistics Act, changes in publishing deadlines for publications/data are announced in advance. The Croatian Bureau of Statistics is obliged to announce each change in publishing deadlines (the Calendar update) at least three days prior to the date originally announced in the Calendar on the website of the Croatian Bureau of Statistics.

The update of publishing deadlines for data or publications (the Calendar update) is announced without delay on the website of the Croatian Bureau of Statistics by updating the date in the Calendar and putting a notice next to the Calendar, which says: updated, and specifying the accurate new date.

Therefore, the Calendar that contains the original publishing deadline for a particular publication/statistical information is replaced with the new Calendar, which includes the updated publishing deadline. The original Calendar is kept in the Publishing Department, which registers every change in publishing deadlines for publications in the Calendar Update Base.

- 2) Issuing corrections of published data:

In cases when an error is observed in the published data, the Croatian Bureau of Statistics issues a correction as soon as possible and as simple as possible in order to help users to clearly see what has been changed in comparison to the originally published data. The correction is carried out by marking the incorrect data with an asterisk and creating the correction.

2.3.2 Data revision – practice

Data are disseminated as final and are not subject to any revision. For this reason, numeric information on the size of typical revision and regular sources of revisions are not applicable. However, if an error occurs, corrected data are published in the next issue of the First Release. Data changed in relation to the previously released ones are disseminated with a comment.

Major changes in the methodology are published in the First Release at the time the change has been introduced.

The general practice is to explain all changes in the methodology when the data based on the new methodology are published for the first time. Information on methodological changes are provided in the Notes on Methodology that are a part of all related paper or electronic publications.

2.3.3 Data revision – average size

Indicator for this survey is not applicable.

2.4. Seasonal adjustment

There is no need for seasonal or working-day adjustment of statistical data, because data on building permits are presented only as absolute values.

3. Timeliness and Punctuality

3.1. Timeliness

3.1.1 Time lag – first results

Indicator for this survey is not applicable.

3.1.2 Time lag – final results

Timeliness for final results is T + 44 days.

3.2. Punctuality

3.2.1 Punctuality – delivery and publication

Punctuality is 1

4. Accessibility and clarity

The results of the Monthly Report on Building Permits Issued are published in the following statistical publications: First Releases (monthly and annual), Excel tables on the website of the Croatian Bureau of Statistics under the link "Statistics in Line" (in Croatian and English), in the STS Database (the database of short-term statistics) at <https://stsbaza.dzs.hr/en/>, in the Statistical Report entitled "Construction" and the Statistical Yearbook (in Croatian and English).

All publications also contain brief methodological explanations.

Detailed notes on methodology are published in the Methodological Guidelines No. 68 entitled "Monthly Report on building Permits Issued (Revision)", the Croatian Bureau of Statistics, Zagreb, 2012 (in Croatian and English).

All publications are available to users in paper and electronic format on the website of the Croatian Bureau of Statistics <http://www.dzs.hr>, under the heading "Released Data".

All statistical publications are released simultaneously to all users at 11:00 am.

No one has advantage in accessing the data.

4.1. News release

Monthly data on building permits issued are published regularly in the First Releases entitled "Building Permits Issued", 43 days on average after the end of a month and in Excel tables on the website of the Croatian Bureau of Statistics under the link "Statistics in Line" (in Croatian and English).

According to Eurostat's requirements, quarterly data on building permits issued (number of dwellings in residential buildings and square meters of useful floor area of buildings) are published in the STS Database (Short-Term Business Statistics Database) on the link <https://stsbaza.dzs.hr/>.

In addition to the monthly First Releases, annual reports providing more detailed data are published in the First Release: "Building Permits Issued".

The released data are available on the website http://www.dzs.hr/default_e.htm.

4.2. Other publications

Monthly data on building permits issued are published regularly in the following publications: the Statistical Report entitled "Construction", the Statistical Information and the Statistical Yearbook.

In addition, a special edition of the Statistical Report entitled "Building Permits Issued, 2000 – 2008", was published in 2010. It gave a review of annual data collected in monthly reports on building permits issued by counties.

The released data are available on the website http://www.dzs.hr/default_e.htm.

4.3. On-line database

Not available.

4.4. Micro-data access

The conditions under which certain users can access micro data are regulated by The Ordinance on the Conditions and Manner of Use of Statistical Data for Scientific Purposes.

4.5. Documentation on methodology

National documents:

- a) Brief notes on methodology are available in monthly and annual publications on construction.
- b) Detailed notes on methodology are published in the Methodological Guidelines No 68 entitled "Monthly Report on Building Permits Issued (2011 Revision)" the Croatian Bureau of Statistics, Zagreb, 2012.

International documents:

- a) The Methodology of Short-Term Business Statistics, Interpretation and Guidelines, 2006, contains a comprehensive set of recommendations on the compilation of the STS statistics concerning building permits issued.
- b) Detailed definitions of the variables described are available in the Commission Regulation (EC) No. 1503/2006 of 28 September 2006 implementing and amending the Council Regulation (EC) No. 1165/98 concerning short-term statistics as regards the definition of variables, list of variables and frequency of data compilation.

5. Comparability

5.1. Asymmetry for mirror flows statistics

Not available.

5.2. Comparability over time

5.1.1 The length of comparable time series

Length of comparable time series is 228

5.1.2 Reasons for break in time series

None.

6. Coherence

6.1. Coherence – short-term and structural data

Indicator for this survey is not applicable.

6.2. Coherence – national accounts

Indicator for this survey is not applicable.

6.3. Coherence – administrative sources

Indicator for this survey is not applicable.

7. Cost and burden

7.1. Cost

Total operational costs: 4 028 hours annually.

7.2. Burden

Not available.