



# FIRST RELEASE



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## BUSINESS STATISTICS

### OTHER SERVICES TURNOVER INDICES IN BIH, III QUARTER 2022.

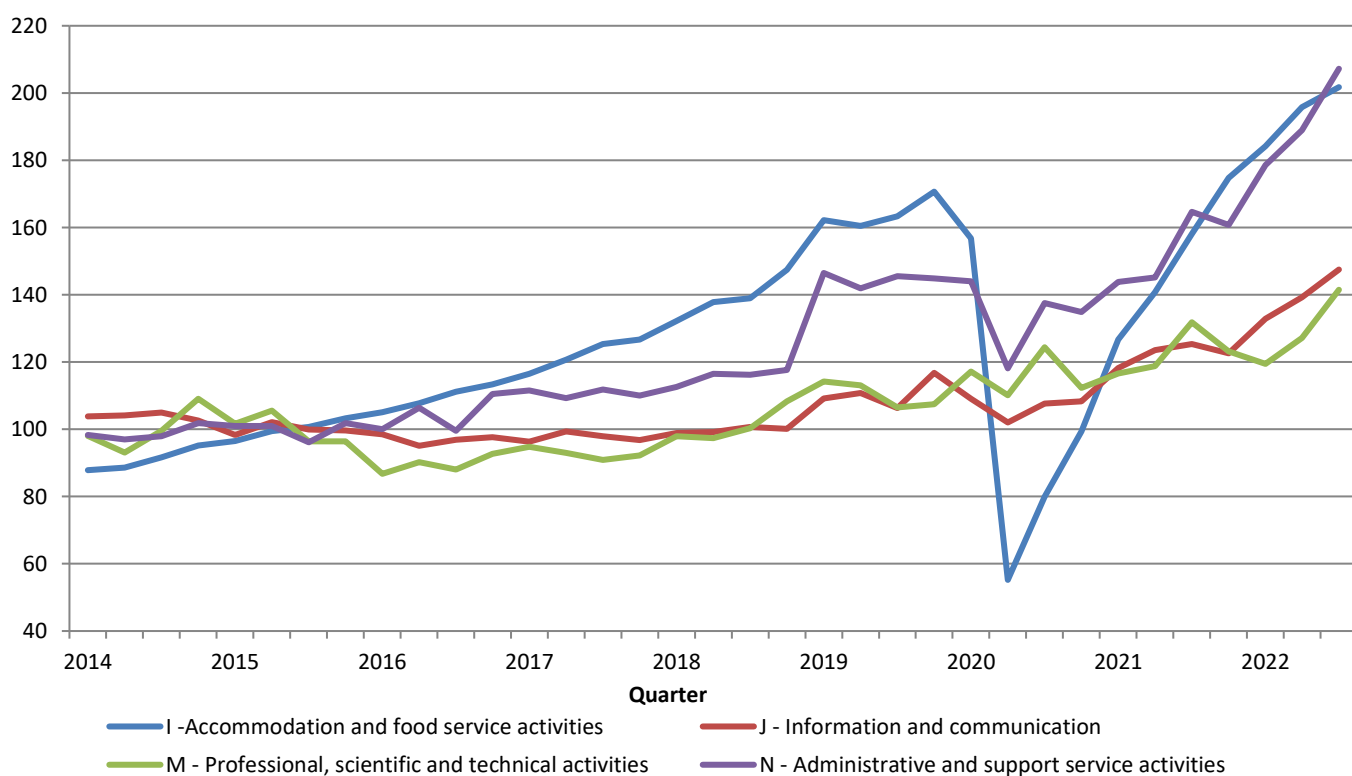
The total seasonally adjusted turnover of other services in the third quarter of 2022 increased by 7.3% compared to the second quarter of 2021. The increase in turnover was recorded in the section of accommodation and food service activities in the amount of 3.0%, section of information and communication by 6.0%, professional, scientific and technical activities by 11.3%, and administrative and support service activities by 9.7%.

The largest increase in turnover was recorded in the Motion picture, video and television programme production, sound recording and music publishing activities in the amount of 63.5%, while the largest decrease in turnover was recorded in Advertising and market research activities as of 6.4%.

The turnover index of other services in the third quarter of 2022 increased by 54.8% compared to the base year (2015). The growth of the turnover index was achieved in the sections of accommodation and food preparation and serving activities 101.7% information and communication of 47.5%, administrative and support service activities of 107.2%, professional, scientific and technical activities of 41.5% compared to the base (2015) year.

The given data are seasonally adjusted.

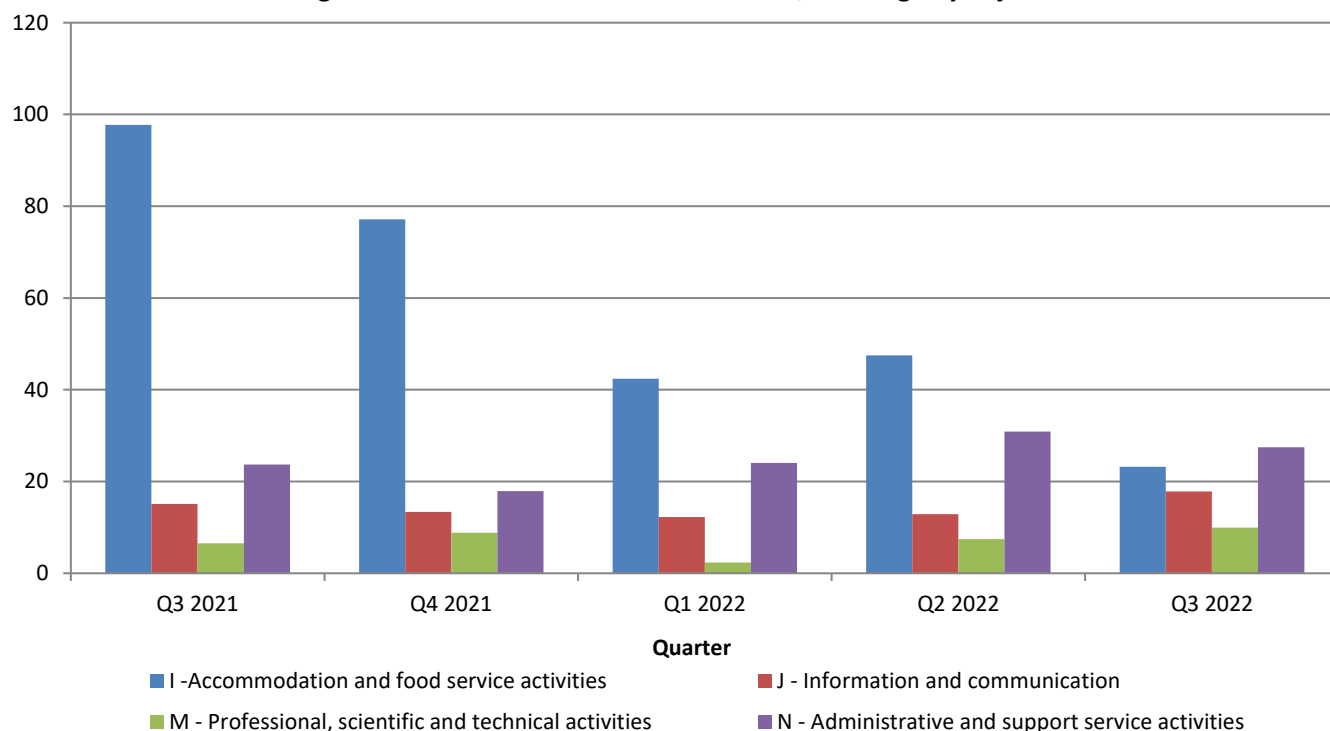
Indices of Other services turnover, seasonally adjusted series BiH, 2015=100



The total turnover of other services, working days adjusted, in the third quarter of 2022 increased by 17.5% compared to the same quarter of the previous year. The growth of turnover was realized in the areas of accommodation and food service activities in the amount of 23.2%, in professional, scientific and technical activities by 10.0%, in information and communication by 17.9%, and in administrative and support service activities by 27.5%.

The largest increase in turnover was realized in professional, scientific and technical activities in the amount of 171.9%, while the largest decrease in turnover was realized in the area of Architectural and engineering activities; technical testing and analysis in the amount of 2.2%. The given data are working days adjusted.

**Annual growth rates in Other services turnover, working day adjusted series BiH**



In the structure of turnover of other services (original, unadjusted data) in the third quarter of 2022, the largest share was achieved in the field of information and communication (52.2%), followed by professional, scientific and technical activities (23.7%), provision of accommodation and food service activities (13.4%), and administrative and support service activities (10.7%).

**Table 1: Basic value indicators of other services turnover in BiH**

Name of activity- KD BiH 2010	seasonally adjusted data				working day adjusted data		
	<u>III 2022</u> II 2022	<u>II 2022</u> I 2022	<u>III 2022</u> ø2021	<u>III 2022</u> ø2015	<u>III 2022</u> III 2021	<u>II 2022</u> II 2021	<u>I 2022</u> I 2021
Total other services	7.3	5.5	21.8	54.8	17.5	15.88	13.2
I - Accommodation and food service activities	3.0	6.3	34.4	101.7	23.2	47.5	42.4
J - Information and communication	6.0	4.8	20.5	47.5	17.9	12.9	12.2
M <sup>1</sup> - Professional, scientific and technical activities	11.3	6.5	15.4	41.5	10.0	7.4	2.3
N <sup>2</sup> - Administrative and support service activities	9.7	5.8	34.9	107.2	27.5	30.9	24.0

**\*\*data for previous period are revised**

**1 excluding group 70.1 and divisions 72 i 75**

**2 excluding division 77 i groups 81.1 i 81.3**

**Table 2: Quarterly growth rates of other services turnover calculated from value indices**

Code KD BiH 2010	Activity- KD BiH 2010	<u>III 2021</u>	<u>IV 2021</u>	<u>I 2022</u>	<u>II 2022</u>	<u>III 2022</u>
		II 2021	III 2021	IV 2021	I 2022	II 2022
<b>I, J, M, N</b>	<b>Total services</b>	6.1	-2.2	5.2	5.5	7.3
<b>I</b>	<b>Accommodation and food service activities</b>	12.3	10.5	5.4	6.3	3.0
I55	Accommodation	11.8	14.8	7.3	7.3	4.3
I56	Food and beverage service activities	12.7	7.1	3.6	5.4	1.9
<b>J</b>	<b>Information and communication</b>	1.5	-2.2	8.4	4.8	6.0
J58	Publishing activities	-10.8	14.1	14.1	-1.5	16.0
J59	Motion picture, video and television programme production, sound recording and music publishing activities	27.0	-1.7	-8.5	7.4	63.5
J60	Programming and broadcasting activities	-1.0	0.2	1.8	0.0	0.4
J61	Telecommunications	0.3	2.1	0.1	0.7	0.1
J62	Computer programming, consultancy and related activities	4.3	-12.2	25.6	11.9	12.3
J63	Information service activities	0.5	11.3	1.7	3.9	5.3
<b>M<sup>1</sup></b>	<b>Professional, scientific and technical activities</b>	11.0	-6.5	-3.1	6.5	11.3
M69, M70.2	Legal and accounting activities, Management consultancy activities	1.5	7.2	6.9	2.0	6.8
M71	Architectural and engineering activities; technical testing and analysis	13.8	-13.2	-9.8	0.7	24.1
M73	Advertising and market research	10.8	-2.3	2.4	19.5	-6.4
M74	Other professional, scientific and technical activities	10.1	28.3	13.4	12.5	14.8
<b>N<sup>2</sup></b>	<b>Administrative and support service activities</b>	13.4	-2.4	11.0	5.8	9.7
N78	Employment activities	1.8	8.3	12.3	2.3	4.2
N79	Travel agency, tour operator reservation service and related activities	107.9	-30.2	-9.8	56.0	50.6
N80	Security and investigation activities	0.7	0.6	4.8	1.0	-0.5
N81.2	Cleaning activities	-5.1	10.0	19.4	-6.8	1.3
N82	Office administrative, office support and other business support activities	11.9	2.5	22.4	1.4	6.5

\*seasonally adjusted data

\*data for previous period are revised

1 excluding group 70.1 and divisions 72 i 75

2 excluding division 77 and groups 81.1 i 81.3

**Table 3: Annual growth rates of other services turnover calculated from value indices**

<b>Code KD BiH 2010</b>	<b>Activity- KD BiH 2010</b>	<u>IV 2021</u> IV 2020	<u>I 2022</u> I 2021	<u>II 2022</u> II 2021	<u>III 2022</u> III 2021	<u>I-III 2022</u> I-III 2021
<b>I, J, M, N</b>	<b>Total services</b>	16.3	13.2	15.9	17.5	15.7
<b>I</b>	<b>Accommodation and food service activities</b>	77.2	42.4	47.5	23.2	34.7
I55	Accommodation	98.0	54.3	65.3	30.2	44.8
I56	Food and beverage service activities	64.2	33.4	34.5	16.2	26.2
<b>J</b>	<b>Information and communication</b>	13.4	12.2	12.9	17.9	14.5
J58	Publishing activities	-2.0	12.7	13.4	49.6	27.7
J59	Motion picture, video and television programme production, sound recording and music publishing activities	48.9	16.6	22.6	58.1	34.8
J60	Programming and broadcasting activities	-3.2	10.3	-0.5	4.5	4.3
J61	Telecommunications	5.1	2.9	3.9	4.1	3.7
J62	Computer programming, consultancy and related activities	31.9	26.4	28.7	38.6	31.6
J63	Information service activities	26.9	44.3	18.3	23.9	28.3
<b>M<sup>1</sup></b>	<b>Professional, scientific and technical activities</b>	8.8	2.3	7.4	10.0	6.8
M69, M70.2	Legal and accounting activities, Management consultancy activities	23.0	21.4	18.6	25.0	21.5
M71	Architectural and engineering activities; technical testing and analysis	2.6	-9.8	-10.4	-2.2	-7.3
M73	Advertising and market research	12.6	12.1	32.5	11.9	19.4
M74	Other professional, scientific and technical activities	56.9	45.9	85.5	171.9	103.9
<b>N<sup>2</sup></b>	<b>Administrative and support service activities</b>	17.9	24.0	30.9	27.5	27.6
N78	Employment activities	8.1	28.0	28.3	33.5	30.0
N79	Travel agency, tour operator reservation service and related activities	79.4	44.1	104.2	48.0	60.3
N80	Security and investigation activities	-0.8	5.5	7.3	6.0	6.3
N81.2	Cleaning activities	10.4	38.6	16.3	23.5	25.4
N82	Office administrative, office support and other business support activities	37.6	38.5	42.4	35.5	38.8

\*working days adjusted data

\*data for previous period are revised

1 excluding group 70.1 and divisions 72 i 75

2 excluding division 77 and groups 81.1 i 81.3

**Table 4: Quarterly value indices of other services turnover, 2015=100**

Code KD BiH 2010	Activity- KD BiH 2010	2021		2022		
		III	IV	I	II	III
<b>I, J, M, N</b>	<b>Total services</b>	132.9	130.0	136.7	144.2	154.8
	<b>I Accommodation and food service activities</b>	158.1	174.8	184.2	195.8	201.7
155	Accommodation	132.1	151.6	162.8	174.7	182.2
156	Food and beverage service activities	188.1	201.5	208.8	220.2	224.3
	<b>J Information and communication</b>	125.4	122.6	132.9	139.2	147.5
J58	Publishing activities	73.6	84.0	95.8	94.4	109.4
J59	Motion picture, video and television programme production, sound recording and music publishing activities	107.6	105.7	96.8	103.9	169.9
J60	Programming and broadcasting activities	127.8	128.0	130.3	130.3	130.8
J61	Telecommunications	92.1	94.0	94.1	94.8	94.9
J62	Computer programming, consultancy and related activities	281.3	247.0	310.4	347.3	389.9
J63	Information service activities	368.1	409.8	416.9	433.3	456.4
	<b>M<sup>1</sup> Professional, scientific and technical activities</b>	131.8	123.2	119.4	127.2	141.5
M69, M70.2	Legal and accounting activities, Management consultancy activities	167.7	179.8	192.2	196.1	209.5
M71	Architectural and engineering activities; technical testing and analysis	115.7	100.4	90.6	91.2	113.1
M73	Advertising and market research	154.8	151.2	154.8	185.1	173.1
M74	Other professional, scientific and technical activities	274.7	352.4	399.6	449.3	515.7
	<b>N<sup>2</sup> Administrative and support service activities</b>	164.7	160.8	178.5	188.9	207.2
N78	Employment activities	156.9	169.9	190.8	195.3	203.5
N79	Travel agency, tour operator reservation service and related activities	104.6	73.0	65.8	102.7	154.7
N80	Security and investigation activities	128.2	129.0	135.1	136.5	135.9
N81.2	Cleaning activities	131.1	144.2	172.2	160.4	162.4
N82	Office administrative, office support and other business support activities	484.0	496.0	607.3	616.1	656.1

*\*seasonally adjusted data*

*\*data for previous period are revised*

*1 excluding group 70.1 and divisions 72 i 75*

*2 excluding division 77 and groups 81.1 i 81.3*

**Table 5: Other services turnover indices - gross (non-adjusted) series**

Code KD BiH 2010	Activity- KD BiH 2010	growth rates			turnover indices 2015=100				
		III 2022 II 2022	III 2022 III 2021	III 2022 ø2021	III 2021	IV 2021	I 2022	II 2022	III 2022
<b>I, J, M, N</b>	<b>Total services</b>	12.2	17.5	25.5	136.1	142.7	122.2	142.5	159.9
<b>I</b>	<b>Accommodation and food service activities</b>	41.1	23.2	71.8	213.2	162.8	155.3	186.2	262.6
I55	Accommodation	56.7	30.2	99.7	198.1	131.1	135.6	164.7	258.1
I56	Food and beverage service activities	27.1	16.2	48.9	230.4	199.1	177.7	210.6	267.8
<b>J</b>	<b>Information and communication</b>	9.9	17.9	22.2	126.7	133.4	121.7	135.8	149.3
J58	Publishing activities	86.5	49.6	77.3	96.0	85.1	84.6	77.0	143.7
J59	Motion picture, video and television programme production, sound recording and music publishing activities	62.3	58.1	68.7	102.4	123.8	89.1	99.8	161.9
J60	Programming and broadcasting activities	-1.6	4.5	3.2	123.8	144.6	111.8	131.5	129.4
J61	Telecommunications	7.9	4.1	9.1	96.6	96.3	88.8	93.2	100.6
J62	Computer programming, consultancy and related activities	9.8	38.6	42.5	266.6	297.7	267.3	336.6	369.6
J63	Information service activities	-9.3	23.9	10.0	316.4	428.6	456.2	432.1	392.0
<b>M<sup>1</sup></b>	<b>Professional, scientific and technical activities</b>	2.8	10.0	8.8	121.4	147.9	103.0	129.8	133.5
M69, M70.2	Legal and accounting activities, Management consultancy activities	-5.4	25.0	16.4	156.0	189.6	182.9	206.2	195.0
M71	Architectural and engineering activities; technical testing and analysis	11.3	-2.2	-3.1	103.7	127.0	77.9	91.1	101.4
M73	Advertising and market research	-13.6	11.9	14.5	149.4	179.0	122.6	193.5	167.2
M74	Other professional, scientific and technical activities	84.7	171.9	172.4	276.9	354.2	371.4	407.6	752.8
<b>N<sup>2</sup></b>	<b>Administrative and support service activities</b>	18.2	27.5	45.0	177.4	170.0	161.9	191.4	226.2
N78	Employment activities	3.7	33.5	31.6	154.3	171.6	186.0	198.6	206.0
N79	Travel agency, tour operator reservation service and related activities	111.1	48.0	205.2	160.0	68.4	38.9	112.2	236.9
N80	Security and investigation activities	3.7	6.0	8.0	130.4	138.6	125.0	133.3	138.2
N81.2	Cleaning activities	-2.4	23.5	20.6	128.1	148.7	152.2	162.1	158.2
N82	Office administrative, office support and other business support activities	2.1	35.5	36.8	465.0	535.2	567.1	617.3	630.2

*\*data for previous period are revised*

*1 excluding group 70.1 and divisions 72 i 75*

*2 excluding division 77 i groups 81.1 i 81.3*

**Appendix: Extract from Classification of Activities KD BiH 2010**

Code KD BiH 2010	Activity - KD BiH 2010
<b>I</b>	<b>Accommodation and food service activities</b>
I55	Accommodation
I56	Food and beverage service activities
<b>J</b>	<b>Information and communication</b>
J58	Publishing activities
J59	Motion picture, video and television programme production, sound recording and music publishing activities
J60	Programming and broadcasting activities
J61	Telecommunications
J62	Computer programming, consultancy and related activities
J63	Information service activities
<b>M</b>	<b>Professional, scientific and technical activities</b>
M69	Legal and accounting activities
M70.1	Activities of head offices
M70.2	Management consultancy activities
M71	Architectural and engineering activities; technical testing and analysis
M72	Scientific research and development
M73	Advertising and market research
M74	Other professional, scientific and technical activities
M75	Veterinary activities
<b>N</b>	<b>Administrative and support service activities</b>
N77	Rental and leasing activities
N78	Employment activities
N79	Travel agency, tour operator reservation service and related activities
N80	Security and investigation activities
N81.1	Combined facilities support activities
N81.2	Cleaning activities
N81.3	Landscape service activities
N82	Office administrative, office support and other business support activities

## METHODOLOGY NOTES

### Aim of the survey

Services statistics take an important place in the national economy and have a major role in recent decades. The reason for this is the large number of business entities engaged in services, especially in trade activities, and the fact they have a significant contribution in realized turnover of BiH.

Primary goal of other services statistics is to provide timely information on change of level of realized turnover and other relevant indicators. The other services turnover index is one of the indicators of economic activity in the country, which helps government bodies, and private sector enterprises in the decision-making process. It is also applied for the estimation of service sector output, household consumption, as well as in the calculation of national accounts. Survey methodology is completely harmonized with the one prescribed by Council Regulation (EC) No.1165/98 concerning short-term statistics from the 1998 (Annex D) and its amendments (hereinafter EU STS regulation) and with Eurostat recommendations for this statistical area.

### Coverage

The survey comprises business entities/legal units which are, by the main activity, registered within service activities (sections: I- Accommodation and food service activities, J- Information and communication, M- Professional, scientific and technical activities (excluding group 70.1 and divisions 72 and 75), N- Administrative and support service activities (excluding division 77 and groups 81.1 and 81.3) KD BiH 2010). For the purpose of the survey, Classification of Activities in Bosnia and Herzegovina - KD BiH 2010 was used, and it is fully compliant with the European Classification of Economic Activities - NACE Rev. 2. The survey covers the entire territory of Bosnia and Herzegovina. Entrepreneurs are not included.

### Sample design

In conducting survey on other services turnover in BiH the combined method of full coverage and stratified random sampling is used. The sample is divided into strata according to class of financial data (financial report of the previous year) and the activity of business entity (divisions of sections I, J, M, N - KD BiH 2010). As an additional stratification variable, the number of employees is used. The chosen sample for other services in 2021 is representative at the level of Bosnia and Herzegovina and at the level of the Federation of BiH, Republic of Srpska and District Brčko.

### Data collection and processing

In conducting the survey the three statistical institutions in BiH participate. The main observation variable is the quarterly turnover of business entity, excluding VAT, which is in accordance with EU-STS regulation separately stated. Data collected from the reporting units, using the form K KPS USL 01, is the basis for the evaluation data for the total population. Aggregation of turnover at higher levels (division, section or special aggregates) of activity is carried out prior to the compilation of indices.

A series of quarterly turnover data from 2010 to 2013 are obtained by the combination of data from administrative sources and other statistical surveys. In the recalculation of historical series of data overlapping method was used. In parallel with the regular quarterly survey on other services turnover, conducted from 2015, data for reference quarters of 2014 are collected.

### Index compilation

Other services turnover indices are expressed in nominal values and is calculated in relation to the new base (2015) year, which is applied in the calculation of the index from the first quarter of 2018. EU Regulation (EC) No. 472/2008 prescribes the application of the base 2015 from January 2018 in EU member states. The turnover index is expressed in current prices (the impact of price changes has not been eliminated).

### Seasonal and working day adjustment of index

Statistical institutions in BiH, considering data dissemination in the EU, are publishing indices in the following forms:

- original (unadjusted) indices,
- seasonally adjusted indices – (SA – seasonally adjusted) and
- working-day adjusted indices (WDA)

Since the seasonally and calendar adjusted indices are far more significant and representative for the users of statistical data, they are listed in tabular form.

Seasonal adjustment means that the data are adjusted for seasonal influences and calendar days. Quarterly indices and growth rates are, according to Eurostat's recommendations, presented and interpreted in seasonally adjusted form.

Working day adjustment implies that the data are adjusted for the impact of calendar and work days. The data that are compared with the data from the same period of the previous year are presented and interpreted in the working day adjusted form of an index or growth rate. When these calendar effects significantly affect the observed time series, it is necessary to remove them.



Working day and seasonal adjustments are performed in the JDemetra+ application (version 2.2.1) using the TRAMO-SEATS method in the series of monthly data and in accordance with the Eurostat guidelines.

Because of the characteristics of the applied method of adjustment, adding new quarterly observations in the series may lead to a certain change to the earlier, already published seasonally and calendar-adjusted index series.

### **Data dissemination**

Results of the survey are expressed in the form of indices and growth rates and since 2017 are published on a regular quarterly basis in the form of press releases on the website of the Agency for Statistics of BiH ([www.bhas.gov.ba](http://www.bhas.gov.ba)). The presentation and interpretation of the index is completely in line with those prescribed by EU-STS regulation allowing national and international users to compare the BiH distributive trade index with indices of other countries.

### **Data revision**

Regular press releases on other services turnover indices are published in the quarterly dynamics and contain preliminary data. Data revision implies that the data for the previous quarter (t-1) are revised in accordance with new information, and it is possible that the data published after revision differ from previously published, preliminary data. In the press release is clearly stated on which data are used so that users of statistical data can properly interpret them. For any change of the data and the reasons for doing that, users will be informed in an appropriate and transparent manner, in regular quarterly press releases and other publications for the public as well as on the website of the Agency for Statistics of BiH.

### **Definitions**

Turnover is the total invoiced amount that a business entity invoice to third parties for goods sold or service provided during the reference period, and it corresponds to the market value. Includes costs associated with the sale, transferred to the customer, even if these amounts are stated separately on invoices. Value Added Tax (VAT) is excluded from the turnover.

### **Abbreviations**

EU- European Union

Eurostat- Statistical Office of the European Communities

KD BiH 2010- Classification of activities of Bosnia and Herzegovina 2010

NACE Rev.2- European Classification of economic Activities

SBR- Statistical Business Register

STS – Short Term Business Statistics

- no occurrence

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