

GUIDELINES / GLOSSARY

Group of series:

INDEX OF SERVICE PRODUCTION

Country / Institution		SLOVAKIA / STATISTICAL OFFICE OF THE SLOVAK REPUBLIC						
Contact person responsible for SA		Tomáš Šmál						
GENERAL INFORMATION								
Frequency		Monthly						
Published series/ relevant series	Kind of adjustment	<i>NACE nomenclature (number of series)</i>						
		<i>4 digits</i>	<i>3 digits</i>	<i>2 digits</i>	<i>2 letters</i> ①	<i>1 letter</i> ①	<i>MIGs</i> ①	<i>Total</i> ①
	<i>Raw series</i>		2	26		7		2
	<i>Only calendar adjusted</i>		2	26		7		2
	<i>Other adjustments (e.g. outliers correction)</i>							
	<i>Only seasonally adjusted</i>							
	<i>Seasonally and calendar adjusted</i>		2	26		7		2
	<i>Trend-cycle</i>							
<i>Others</i>								
Method used		TRAMO/SEATS						
Software used		JDemetra+ 2.2.2.						
Publications		-						

¹ Annex of ESS Guidelines on Seasonal Adjustment, 2009 edition

CALENDAR ADJUSTMENT

Trading/working day adjustment (both published and confidential series)	Kind of calendar effects	NACE nomenclature						
		4 digits	3 digits	2 digits	2 letters	1 letter	MIGs	Total
	No effect		2	16		4		0
	Trading/working day (1 regressor ③)			10		3		2
	Moving holidays (Easter)			1		0		0
	Leap year			2		0		0
	Others							
No calendar adjustment		0						
Calendar used		National calendar specific for Slovakia (e.g. 8 th May day added from 2001, 17 th November added from 2003, Easter holidays)						

OTHER PRE-ADJUSTMENT

Detection and replacement of outliers	Automatic outlier detection and correction (AO, LS, TC)
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SEASONAL ADJUSTMENT

Model/filter selection	Type	NACE nomenclature						
		4 digits	3 digits	2 digits	2 letters	1 letter	MIGs	Total
	Manual		0	2		0		0
	Automatic		2	24		7		2
Seasonal adjustment decomposition	Type							
	Additive		1	13		0		0
	Log-additive							
	Multiplicative		1	13		7		2
	Other							

AGGREGATION

Direct adjustment / indirect adjustment via components	Direct adjustment
Consistency amongst the different levels of breakdown	All levels of data are consistent.
Time consistency (monthly/annual or quarterly/annual)	-

REVISIONS**Model, filters, outliers, calendar regressors re-identification**

Principally, models are revised annually with revisions of non-adjusted data. Some adjustments are made for individual models, incl. outliers and ARIMA model checks, if needed.

Each month we use apply “Partial concurrent adjustment – Last outliers” as default.

ARIMA model is applied automatically. Afterwards fixed and checked each month. The manual adjustments are tested and applied to improve data quality, if needed.

Parameters / factors re-estimation

Number of regressors, the way of decomposition, and the Easter effect factor are stable.

Parameters are automatically changed on monthly basis.

Horizon for published revisions

Whole time series starting in January 2010.

QUALITY INDICATORS**Quality measures used**

Graphical analysis in JDemetra+ 2.2.2.

Quality diagnostics in JDemetra+ 2.2.2.

Summary of main results – Pre-processing & Diagnostics of seasonality tests

AVAILABILITY OF STRUCTURAL METADATA**Links to methodological reports**

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Links to national calendar used

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Availability of detailed information sufficient to allow users to replicate the process

Available on user's request