

Annex 1. CPI seasonal adjustment specifications

Food products								
Series	Live and chilled fish	Dairy butter (1)	Dairy butter (2)	Milk and dairy products (1)	Milk and dairy products (2)	Cheese	Eggs	Sugar (1)
Sample	2001.12 – to date	2001.12 - 2008.12	2008.12 - to date	2001.12 - 2008.12	2008.12 - to date	2001.12 - to date	2001.12 - to date	2001.12 - 2017.12
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2012.Apr	LS2002.Nov	LS2009.May	LS2007.Aug	LS2010.Aug	LS2007.Sep	LS2007.Jul	LS2002.Jul
	LS2013.Dec	LS2002.Dec	LS2009.Nov	LS2007.Sep	LS2010.Sep	LS2007.Oct	LS2007.Oct	LS2006.Feb
	LS2015.Jan	LS2003.Jan	LS2009.Dec	LS2007.Oct	LS2010.Oct	LS2007.Nov	LS2010.Sep	LS2009.Sep
	LS2022.Mar	LS2003.May	AO2010.May	LS2007.Nov	LS2013.Sep	LS2008.Apr	LS2014.Jul	
		LS2003.Jun	LS2010.Jun		LS2014.Mar	LS2008.May	LS2018.Dec	
		LS2004.Jun	LS2010.Aug		LS2015.Jan	LS2008.Jun		
		LS2007.Aug	LS2010.Sep		LS2015.Feb	LS2009.Dec		
		LS2007.Sep	AO2010.Oct		LS2022.Feb	LS2015.Jan		
		LS2007.Oct	LS2010.Nov		LS2022.Mar	LS2022.Mar		
		LS2007.Nov	LS2013.Aug		AO2022.Apr			
			LS2015.Jan		LS2022.May			
			LS2015.Feb					
			LS2022.Mar					
			LS2022.Apr					
ARIMA model	(3 1 1)(0 1 1)	(1 1 1)(1 0 0)	(2 1 1)(0 1 1)	(1 1 1)(1 0 0)	(1 1 0)(0 1 1)	(2 1 0)(0 1 1)	(0 1 2)(0 1 1)	(0 1 2)(0 1 1)

Series	Sugar (2)	Fruit and vegetables, including potato	Other food products
Sample	2017.12 - to date	2001.12 - to date	2011.12 - to date
Transformation	log	log	log
Outliers	LS2022.Mar	LS2002.May	AO2014.Dec
		LS2015.Jan	AO2015.Feb
		LS2022.Mar	AO2015.Jan
			AO2015.Mar
			LS2015.Apr
			SO2021.Mar
			LS2022.Mar
			LS2022.Apr
			LS2022.May
Модель ARIMA	(0 1 1)(0 1 1)	(0 1 1)(0 1 1)	(0 2 1)(0 1 1)

Non-food products								
Series	Clothing and underwear	Knitwear	Furniture	Furs(1)	Furs (2)	Leather, textile and combined footwear	Diesel fuel	Fancy goods
Sample	2001.12 - to date	2001.12 - to date	2001.12 - to date	2001.12 - 2015.12	2015.12 - to date	2001.12 - to date	2011.12 - to date	2001.12 - to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2009.Feb	LS2009.Feb	LS2014.Dec	LS2011.Nov	LS2020.Oct	LS2009.Mar	LS2018.May	LS2009.Feb
	LS2009.Mar	LS2009.Mar	LS2015.Jan	LS2014.Dec	LS2020.Dec	LS2014.Dec	AO2018.Nov	LS2009.Mar
	LS2014.Dec	LS2009.Apr	LS2015.Feb	LS2015.Jan	LS2021.Oct	LS2015.Jan	LS2021.Nov	LS2009.Apr
	LS2015.Jan	AO2013.Oct	LS2015.Mar	LS2015.Feb	AO2021.Nov	LS2015.Feb		LS2015.Jan
	LS2015.Feb	LS2014.Dec	LS2021.Sep		AO2022.Jan	LS2015.Mar		LS2015.Feb
	LS2015.Mar	LS2015.Jan	LS2022.Mar		LS2022.Mar	LS2015.Apr		LS2015.Mar
	LS2022.Mar	LS2015.Feb	LS2022.Apr		AO2022.Apr	LS2022.Mar		LS2015.Apr
	LS2022.Apr	LS2015.Sep	LS2022.May			LS2022.Apr		LS2019.Jan
	AO2022.May	LS2015.Mar	LS2022.Jun					AO2022.Mar
		LS2021.Jul	LS2022.Jul					LS2022.Mar
		AO2022.Mar	LS2022.Aug					
		LS2022.Apr	LS2022.Sep					
			LS2022.Oct					
ARIMA model	(3 1 2)(0 1 1)	(0 2 2)(0 1 1)	(0 2 1)(0 1 1)	(1 1 0)(0 1 1)	(0 1 0)(0 1 0)	(2 2 2)(0 1 1)	(0 1 2)(0 1 1)	(0 2 2)(0 1 1)

Series	Printed goods (1)	Printed goods (2)	Perfumes and cosmetics	Electrical goods and other household appliances	Other non-food goods (1)	Other non-food goods (2)
Sample	2001.12 - 2009.12	2009.12 - to date	2001.12 - to date	2001.12 - to date	2001.12 - 2005.12	2005.12 - to date
Transformation	log	log	log	log	log	log
Outliers	AO2002.Jan	LS2010.Mar	LS2009.Feb	LS2009.Feb		LS2009.Feb
	AO2002.Feb	LS2015.Jan	LS2009.Mar	LS2009.Mar		LS2009.Mar
	LS2002.Oct	LS2019.Jan	LS2009.Apr	LS2014.Dec		LS2009.Apr
	LS2009.Jan	LS2019.Feb	LS2014.Dec	LS2015.Jan		LS2009.May
	LS2009.Aug	AO2022.Mar	LS2015.Jan	LS2015.Feb		LS2014.Dec
		AO2022.Apr	LS2015.Feb	LS2015.Sep		LS2015.Jan
		LS2022.May	LS2015.Mar	LS2016.Feb		LS2015.Feb
		AO2022.Aug	LS2015.Apr	LS2020.Mar		LS2015.Mar
			LS2015.May	LS2020.Apr		LS2015.Apr
			AO2018.Aug	LS2021.Feb		LS2020.Aug
			LS2019.Jan	AO2021.May		LS2022.Feb
			LS2019.Aug	AO2021.Nov		LS2022.Mar
			AO2019.Oct	AO2022.Feb		LS2022.Apr
			AO2020.Feb	LS2022.Mar		
			AO2020.Dec	LS2022.Apr		
			LS2021.Jan	LS2022.Jul		
			AO2021.Oct	LS2022.Oct		
			LS2022.Mar			
			LS2022.Apr			
			LS2022.May			
			LS2022.Jun			
			AO2022.Sep			
ARIMA model	(1 1 1)(1 1 1)	(1 1 0)(0 1 1)	(0 2 1)(0 1 1)	(1 1 0)(0 1 1)	(0 1 1)(1 0 0)	(0 2 2)(0 1 1)

Services								
Series	Personal services (1)	Personal services (2)	Air transportation (1)	Air transportation (2)	Outbound tourism	Preschool (1)	Preschool (2)	Education (1)
Sample	2001.12 - 2016.12	2016.12 - to date	2001.12 - 2014.01	2014.01 - to date	2001.12 - to date	2001.12 - 2013.12	2013.12 - to date	2001.12 - 2008.12
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2003.Feb	LS2022.Mar	SO2009.Nov	AO2015.Nov	AO2003.May	LS2002.Sep	AO2013.Dec	LS2002.Jan
	LS2005.Feb	LS2022.Apr	LS2008.Jun	SO2020.Jan	TC2008.Dec	LS2004.Feb	LS2015.Jan	AO2002.Aug
	LS2009.Jan	LS2022.May	TC2011.May	LS2020.Mar	LS2009.Jan	LS2004.Jul	LS2016.Jan	LS2004.Sep
	LS2011.Jan		AO2006.Nov	LS2020.Jun	TC2009.Feb	LS2005.Jan		
	LS2012.Jun		LS2004.Nov	SO2020.Aug	AO2009.Dec	LS2006.Apr		
	LS2013.Nov		AO2011.May	SO2021.Mar	LS2014.Dec			
	LS2015.Jan			AO2021.Nov	TC2015.Jan			
				AO2022.Apr	TC2015.Apr			
				LS2022.Jul	LS2015.Aug			
				LS2022.Aug	TC2018.Apr			
				LS2022.Nov	LS2020.Apr			
				TC2023.Jan	LS2021.Jan			
					SO2021.Jun			
					AO2021.Aug			
					SO2021.Nov			
					AO2022.Jan			
					LS2022.Feb			
					LS2022.Mar			
					TC2022.May			
					TC2022.Nov			
					AO2023.Feb			
					LS2023.Mar			
ARIMA model	(0 2 1)(0 1 1)	(1 2 0)(0 1 1)	(1 1 0)(1 0 0)	(0 1 1)(0 1 1)	(0 1 1)(0 1 1)	(1 1 1)(0 1 1)	(0 2 1)(0 1 1)	(0 1 1)(0 1 1)

Series	Education(2)	Education (3)	Cultural services	Hotel and other accommodation services	Medical services(1)	Medical services (2)	Housing (1)	Housing (2)
Sample	2008.12 - 2014.12	2014.12 - to date	2001.12 - to date	2001.12 - to date	2001.12 - 2008.12	2008.12 - to date	2001.12 - 2011.12	2011.12 - to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2012.Aug	AO2014.Dec	LS2002.Sep	AO2001.Dec	AO2001.Dec	LS2009.Apr	LS2002.Mar	LS2012.Jul
	LS2012.Sep	AO2015.Jan	LS2021.Dec	LS2003.Sep	AO2002.Jan	LS2010.Feb	AO2003.Jan	LS2012.Sep
		LS2015.Aug		AO2004.Sep	AO2002.Feb	LS2013.Nov	AO2003.May	AO2014.Mar
		AO2016.Aug		LS2005.Sep		AO2014.Mar	LS2003.Aug	LS2014.May
		LS2017.Sep		LS2007.Sep		LS2015.Jan	AO2004.Mar	AO2014.Jun
		LS2018.Sep		LS2013.Sep		LS2015.Feb	AO2004.Jul	AO2014.Jul
		LS2020.Sep		LS2013.Oct		AO2015.Dec	LS2005.Jan	LS2014.Sep
		LS2021.Sep		LS2013.Nov		LS2016.Nov	LS2005.Feb	LS2014.Oct
				LS2014.Sep		AO2022.Feb	AO2006.Jan	AO2014.Nov
				LS2018.Jun		LS2022.Feb	LS2006.Mar	AO2014.Dec
				LS2018.Jul		LS2022.Apr	LS2010.Jan	AO2015.Jan
				LS2020.May		LS2022.May	AO2011.Jan	LS2015.Feb
				LS2020.Jun				LS2015.Apr
				LS2020.Jul				LS2015.Jul
				LS2020.Aug				LS2016.Aug
				LS2020.Sep				LS2018.Jan
				LS2021.Mar				LS2018.Oct
				LS2021.Apr				LS2020.Jan
				LS2021.May				AO2021.Nov
				LS2021.Jun				LS2022.Feb
				LS2021.Jul				LS2022.Mar
				LS2021.Aug				
				LS2021.Oct				
				LS2021.Nov				
ARIMA model	(1 1 0)(0 1 0)	(0 1 1)(0 1 1)	(1 1 0)(0 1 1)	(1 1 0)(1 1 1)	(0 1 1)(0 1 1)	(0 2 1)(0 1 1)	(0 1 1)(2 1 0)	(1 1 0)(0 1 1)

Series	Sanatorium and health services (1)	Sanatorium and health services (2)	Passenger transportation excluding rail and air transportation	Rail transportation (1)	Rail transportation (2)
Sample	2001.12 - 2010.12	2010.12 - to date	2001.12 - to date	2001.12 - 2012.12	2012.12 - to date
Transformation	log	log	log	log	log
Outliers		LS2017.Jun	LS2002.Mar	AO2003.Jan	LS2013.Mar
		AO2020.Jun	LS2002.Apr	AO2007.Feb	LS2013.May
		LS2020.Sep	LS2002.Aug	AO2008.Sep	AO2014.Apr
			LS2002.Oct	LS2010.Jan	LS2015.Nov
			LS2002.Nov	AO2011.Nov	LS2016.May
			LS2004.Apr		AO2017.Feb
			LS2005.Jan		
			LS2007.Apr		
			LS2008.Jan		
			LS2008.Apr		
			LS2012.Jan		
			LS2015.Feb		
			LS2017.Jan		
ARIMA model	(1 1 1)(0 1 1)	(0 1 1)(0 1 1)	(1 1 0)(0 1 1)	(0 1 0)(0 1 2)	(0 1 1)(0 1 1)