

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 (1)	Cheese (2)	Eggs
Sample	2001.12 - to date	2001.12 - 2008.12	2008.12 - to date	2001.12 - 2008.12	2008.12 - to date	2001.12 - 2016.12	2016.12 - to date	2001.12 - to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2012.Apr	LS2002.Nov	LS2024.Oct	LS2007.Aug	LS2010.Aug	AO2002.Dec	LS2022.Mar	LS2007.Jul
	AO2013.Dec	LS2002.Dec		LS2007.Sep	LS2010.Sep	AO2007.Sep	LS2022.Apr	LS2007.Oct
	LS2015.Jan	LS2003.Jan		LS2007.Oct	LS2010.Oct	LS2007.Oct	LS2022.May	LS2010.Sep
	LS2022.Mar	LS2003.May		LS2007.Nov	LS2013.Sep	LS2009.Feb	LS2024.Feb	LS2014.Jul
		LS2003.Jun			LS2014.Mar	AO2009.Dec		LS2018.Dec
		LS2004.Jun			LS2015.Jan	LS2015.Jan		
		LS2007.Aug			LS2015.Feb			
		LS2007.Sep			LS2022.Feb			
		LS2007.Oct			LS2022.Mar			
		LS2007.Nov			AO2022.Apr			
					LS2022.May			
ARIMA model	(1 1 1)(0 1 1)	(1 1 1)(1 0 0)	(1 1 1)(0 1 1)	(1 1 1)(1 0 0)	(1 1 0)(0 1 1)	(2 1 0)(0 1 1)	(1 1 0)(1 1 0)	(0 1 2)(0 1 1)

Series	Sugar (1)	Sugar (2)	Fruit and vegetables, including potato	Other food products
Sample	2001.12 - 2017.12	2017.12 - to date	2001.12 - to date	2011.12 - to date
Transformation	log	log	log	log
Outliers	LS2002.Jul	LS2022.Mar	LS2002.May	AO2014.Dec
	LS2006.Feb		LS2015.Jan	AO2015.Feb
	LS2009.Sep		LS2022.Mar	AO2015.Jan
			LS2023.Jul	AO2015.Mar
				LS2015.Apr
				SO2021.Mar
				LS2022.Mar
				LS2022.Apr
				LS2022.May
				LS2023.Jan
ARIMA model	(0 1 2)(0 1 1)	(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 (1)	Clothing and underwear (2)	Knitwear	Furniture	Furs(1)	Furs (2)	Leather, textile and combined footwear	Diesel fuel
Sample	2001.12 - 2015.12	2015.12 - to date	2001.12 - to date	2001.12 - to date	2001.12 - 2016.12	2016.12 -to date	2001.12 - to date	2011.12 - to date
Transformation	log	log	log	log	log	log	log	log
Outliers	AO2009.Jan	LS2022.Mar	LS2009.Feb	LS2014.Dec	LS2011.Nov	LS2020.Oct	LS2007.Oct	LS2018.May
	LS2009.Mar	LS2022.Apr	LS2009.Mar	LS2015.Jan	AO2014.Dec	LS2020.Nov	LS2009.Mar	AO2018.Nov
	AO2014.Nov		LS2009.Apr	LS2015.Feb	AO2015.Jan	LS2020.Dec	LS2015.Jan	LS2021.Nov
	LS2015.Jan		AO2013.Oct	LS2015.Mar	LS2015.Jan	LS2021.Nov	LS2015.Feb	LS2023.Aug
	LS2015.Feb		LS2014.Dec	LS2021.Sep		LS2022.Jan	LS2015.Mar	LS2023.Sep
	LS2015.Mar		LS2015.Jan	LS2022.Mar		LS2022.Mar	LS2015.Apr	LS2023.Oct
			LS2015.Feb	LS2022.Apr		LS2022.Apr	LS2015.Sep	
			LS2015.Sep	LS2022.May		LS2022.May	LS2015.Oct	
			LS2015.Mar	LS2022.Jun		LS2022.Oct	LS2015.Nov	
			LS2021.Jul	LS2022.Jul		LS2022.Nov	LS2022.Mar	
			LS2022.Mar	LS2022.Aug		LS2023.Mar	LS2022.Apr	
			LS2022.Apr	LS2022.Sep		LS2023.Nov	LS2024.Dec	
			LS2024.Nov	LS2022.Oct		LS2024.Mar		
ARIMA model	(2 2 2)(1 1 1)	(0 2 1)(0 1 1)	(1 1 2)(0 1 1)	(0 2 0)(0 1 1)	(1 1 0)(0 1 1)	(1 1 0)(0 1 1)	(1 1 2)(0 1 1)	(0 1 2)(0 1 1)

Series	Fancy goods	Printed goods	Perfumes and cosmetics	Electrical goods and other household appliances (1)	Electrical goods and other household appliances (2)	Other non-food goods (1)	Other non-food goods (2)
Sample	2001.12 - to date	2001.12 - to date	2001.12 - to date	2001.12 - 2019.12	2019.12 - to date	2001.12 - 2005.12	2005.12 -to date
Transformation	Log	log	log	log	log	log	log
Outliers	LS2009.Feb	LS2002.Jan	LS2009.Feb	LS2009.Feb	LS2020.Mar		LS2009.Feb
	LS2009.Mar	LS2002.Feb	LS2009.Mar	LS2009.Mar	LS2022.Feb		LS2009.Mar
	LS2009.Apr	LS2002.Oct	LS2009.Apr	LS2014.Dec	LS2022.Mar		LS2014.Dec
	LS2015.Jan	LS2004.Jan	LS2014.Dec	LS2015.Jan	LS2022.Apr		LS2015.Jan
	LS2015.Feb	LS2004.Feb	LS2015.Jan	LS2015.Feb	LS2022.Jul		LS2015.Feb
	LS2015.Mar	LS2004.May	LS2015.Feb	LS2015.Aug	LS2022.Oct		LS2015.Mar
	LS2015.Apr	LS2004.Sep	LS2015.Mar	LS2015.Sep	LS2023.Apr		LS2022.Feb
	LS2019.Jan	LS2005.Jan	LS2015.Apr	LS2015.Oct	LS2024.Dec		LS2022.Mar
	LS2022.Mar	LS2008.Feb	LS2015.May	LS2016.Feb			LS2022.Apr
	LS2022.Apr	LS2009.Jan	AO2018.Aug				LS2024.Apr
	LS2022.May	LS2009.Aug	LS2019.Jan				
	LS2023.May	LS2015.Jan	LS2019.Aug				
		LS2019.Jan	AO2019.Oct				
		LS2022.Mar	AO2020.Feb				
		LS2022.Apr	AO2020.Dec				
		LS2022.May	LS2021.Jan				
		LS2023.Aug	AO2021.Oct				
			LS2022.Mar				
			LS2022.Apr				
			LS2022.May				
			LS2022.Jun				
			AO2022.Sep				
			LS2023.Feb				
			AO2023.Jun				
			LS2023.Aug				
			AO2023.Sep				
			LS2024.Jan				
ARIMA model	(0 2 2)(0 1 1)	(1 1 2)(0 1 1)	(0 2 2)(0 1 1)	(1 1 0)(0 1 1)	(0 1 1)(0 1 1)	(0 1 1)(1 0 0)	(1 1 0)(0 1 1)

Услуги								
Series	Cultural services (1)	Cultural services (2)	Medical services (1)	Medical services (2)	Housing (1)	Housing (2)	Housing (3)	Excursion services
Sample	2001.12 - 2017.12	2017.12 - to date	2001.12 - 2008.12	2008.12 - to date	2001.12 - 2011.12	2011.12 - 2017.12	2017.12 - to date	2021.12 - to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2002.Sep	LS2021.Jan	AO2001.Dec	LS2009.Apr	LS2002.Mar	LS2012.Jul	AO2017.Dec	
	LS2003.Oct	LS2021.Dec	AO2002.Jan	LS2010.Feb	AO2003.Jan	LS2012.Sep	LS2022.Feb	
		LS2023.Mar	AO2002.Feb	AO2014.Mar	AO2003.May	AO2013.Jul	LS2023.Jan	
		LS2023.Sep		LS2015.Jan	LS2003.Aug	AO2014.Mar		
		LS2024.Apr		LS2015.Feb	AO2004.Mar	LS2014.May		
		LS2024.Jul		LS2016.Jan	AO2004.Jul	AO2014.Jun		
		AO2024.Aug		LS2022.Mar	LS2005.Jan	AO2014.Jul		
		AO2024.Nov		AO2022.Apr	LS2005.Feb	LS2014.Sep		
				LS2022.May	AO2006.Jan	LS2014.Oct		
					LS2006.Mar	AO2014.Nov		
					LS2010.Jan	AO2014.Dec		
					AO2011.Jan	AO2015.Jan		
						LS2015.Feb		
						LS2015.Apr		
						LS2015.Jul		
						LS2016.Jan		
						LS2016.Aug		
						LS2016.Oct		
						AO2017.Jan		
ARIMA model	(1 1 1)(0 1 1)	(0 2 1)(1 0 0)	(0 1 1)(0 1 1)	(0 2 1)(0 1 1)	(0 1 1)(2 1 0)	(1 1 0)(0 1 1)	(2 1 2)(1 1 0)	(0 1 1)(0 1 0)

Series	Personal services (1)	Personal services (2)	Pre-school education services (1)	Pre-school education services (2)	Education (1)	Education (2)	Education (3)
Sample	2001.12 - 2016.12	2016.12 - to date	2001.12 - 2013.12	2013.12 - to date	2001.12 - 2008.12	2008.12 - 2014.12	2014.12 -to date
Transformation	log	log	log	log	log	log	log
Outliers	LS2003.Feb	LS2022.Mar	LS2002.Sep	AO2013.Dec	LS2002.Jan	LS2012.Aug	AO2014.Dec
	LS2005.Feb	LS2022.Apr	LS2004.Feb	LS2015.Jan	AO2002.Aug	LS2012.Sep	AO2015.Jan
	LS2009.Jan	LS2022.May	LS2004.Jul	LS2016.Jan	LS2004.Sep		LS2015.Aug
	LS2011.Jan	AO2024.Oct	LS2005.Jan				LS2017.Sep
	LS2012.Jun		LS2006.Apr				LS2018.Sep
	LS2013.Nov						LS2020.Sep
	LS2015.Jan						LS2021.Sep
							LS2023.Sep
							LS2024.Sep
ARIMA model	(0 2 1)(0 1 1)	(0 2 1)(1 1 0)	(1 1 1)(0 1 1)	(0 2 1)(0 1 1)	(0 1 1)(0 1 1)	(1 1 0)(0 1 0)	(0 1 1)(0 1 1)

Series	Outbound tourism (1)	Outbound tourism (2)	Hotel and other accommodation services	Sanatorium and health services (1)	Sanatorium and health services (2)	Passenger transportation excluding rail and air transportation (1)	Passenger transportation excluding rail and air transportation (2)
Sample	2001.12 - 2020.12	2020.12 - to date	2001.12 - to date	2001.12 - 2010.12	2010.12 - to date	2001.12 - 2015.12	2015.12 - to date
Transformation	log	log	log	log	log	log	log
Outliers	AO2003.May	LS2022.Mar	AO2001.Dec		LS2017.Jun	LS2002.Aug	LS2017.Jan
	AO2009.Dec		LS2003.Sep		AO2020.Jun	LS2002.Oct	LS2018.Jan
	LS2014.Dec		AO2004.Sep		LS2020.Sep	LS2002.Nov	AO2020.Jan
	LS2015.Jan		LS2005.Sep		AO2024.Oct	LS2004.Apr	LS2023.Oct
	TC2015.Apr		LS2007.Sep			LS2005.Jan	LS2024.Jan
	LS2015.Aug		LS2013.Sep			LS2007.Apr	
	LS2018.Apr		LS2013.Oct			LS2008.Jan	
			LS2013.Nov			LS2008.Apr	
			LS2014.Sep			LS2012.Jan	
			LS2017.Sep			LS2015.Feb	
			LS2018.Jun				
			LS2018.Jul				
			LS2020.Jul				
			LS2020.Aug				
			LS2020.Sep				
			LS2021.Mar				
			LS2021.Apr				
			LS2021.May				
			LS2021.Jun				
			LS2021.Jul				
			LS2021.Aug				
			LS2021.Oct				
			LS2021.Nov				
			AO2024.Sep				
			LS2024.Dec				
ARIMA model	(2 1 0)(0 1 1)	(0 1 0)(1 0 0)	(1 1 0)(0 1 1)	(1 1 1)(0 1 1)	(0 1 1)(0 1 1)	(1 1 0)(0 1 1)	(0 1 1)(0 1 0)

Series	Rail and air transportation (1)	Rail and air transportation (2)
Sample	2001.12 - 2021.12	2021.12 – to date
Transformation	log	log
Outliers		
ARIMA model	(0 1 2)(0 1 0)	(2 1 1)(1 0 0)