

Annex 1. CPI seasonal adjustment specifications

Food products								
Series	Live and chilled fish	Dairy butter	Milk and dairy products (1)	Milk and dairy products (2)	Cheese	Eggs	Sugar	Fruit and vegetables, including potato
Sample	2001.12 – to date	2001.12 – to date	2001.12 – 2008.12	2008.12 – to date	2001.12 – to date	2001.12 – to date	2001.12 – 2017.12	2001.12 – to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2012.Apr LS2013.Dec LS2015.Jan	LS2002.Nov LS2003.Jan LS2007.Sep LS2007.Oct LS2007.Oct LS2007.Dec LS2009.May LS2010.Jul LS2014.Feb LS2015.Jan LS2015.Feb LS2016.Oct	LS2007.Aug LS2007.Sep LS2007.Oct LS2007.Nov	LS2010.Aug LS2010.Sep LS2010.Oct LS2013.Sep LS2014.Mar LS2015.Jan LS2015.Feb	LS2007.Sep LS2007.Oct LS2007.Nov LS2008.Apr LS2008.May LS2008.Jun LS2009.Dec LS2015.Jan	LS2007.Jul LS2007.Oct LS2010.Sep LS2014.Jul LS2018.Dec	LS2002.Jul LS2006.Feb LS2009.Sep	LS2002.May LS2015.Jan
ARIMA model	(3 1 1)(0 1 1)	(2 1 0)(0 1 2)	(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)	(0 1 1)(0 1 1)
Other food products								
Series	Other food products (1)	Other food products (2)						
Sample	2001.12 – 2011.12	2011.12 – to date						
Transformation	log	log						
Outliers	LS2002.May	LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar LS2015.Apr						
ARIMA model	(0 1 1)(0 1 1)	(1 1 0)(0 1 1)						
Non-food goods								
Series	Clothing and underwear	Furs (1)	Furs (2)	Knitwear	Leather, textile and combined footwear	Perfumes and cosmetics	Smallware	Furniture
Sample	2001.12 – to date	2001.12 – 2015.12	2015.12 – to date	2001.12 – to date	2001.12 – to date	2001.12 – to date	2001.12 – to date	2001.12 – to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2009.Feb LS2009.Mar LS2009.Apr LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar LS2019.Jan	LS2011.Nov LS2014.Dec LS2015.Jan LS2015.Feb	AO2020.Jun LS2020.Oct	LS2009.Feb LS2009.Mar LS2009.Apr LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar LS2015.Feb	LS2009.Mar LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar LS2015.Apr	LS2009.Feb LS2009.Mar LS2009.Apr LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar LS2015.Apr LS2015.May AO2018.Aug LS2019.Jan LS2019.Aug AO2019.Oct AO2020.Feb AO2020.Dec	LS2009.Feb LS2009.Mar LS2009.Apr LS2015.Jan LS2015.Feb LS2015.Mar LS2015.Apr	LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar
ARIMA model	(3 1 2)(0 1 1)	(1 1 0)(0 1 1)	(1 1 0)(0 1 0)	(3 1 1)(0 1 1)	(3 1 2)(0 1 1)	(0 2 1)(1 0 1)	(0 2 2)(0 1 1)	(0 2 1)(0 1 1)
Electrical goods and other household appliances								
Series	Electrical goods and other household appliances	Printed goods (1)	Printed goods (2)	Other non-food goods (1)	Other non-food goods (2)	Diesel fuel		
Sample	2001.12 – to date	2001.12 – 2009.12	2009.12 – to date	2001.12 – 2005.12	2005.12 – to date	2011.12 – to date		
Transformation	log	log	log	log	log	log		
Outliers	LS2009.Feb LS2009.Mar LS2014.Dec LS2015.Jan LS2015.Sep LS2016.Feb LS2020.Mar LS2020.Apr	AO2002.Jan AO2002.Feb LS2002.Oct LS2009.Jan LS2009.Aug	LS2010.Mar LS2015.Jan LS2019.Jan LS2019.Feb	LS2002.May LS2002.Apr	LS2009.Mar LS2009.Feb LS2009.Apr LS2009.May LS2014.Dec LS2015.Jan LS2015.Feb LS2015.Mar LS2015.Apr	LS2018.May AO2018.Nov		
ARIMA model	(1 1 0)(0 1 1)	(1 1 1)(1 1 1)	(1 1 0)(0 1 1)	(1 1 1)(1 0 0)	(1 1 2)(0 1 1)	(0 1 2)(0 1 1)		
Services								
Series	Personal services	Passenger transportation excluding railroad (1)	Passenger transportation excluding railroad (2)	Rail transportation (1)	Rail transportation (2)	Preschool (1)	Preschool (2)	Education (1)
Sample	2001.12 – to date	2001.12 – 2012.12	2012.12 – to date	2001.12 – 2012.12	2012.12 – to date	2001.12 – 2013.12	2013.12 – to date	2001.12 – 2008.12
Transformation	log	log	log	log	log	log	log	log
Outliers	AO2003.Feb LS2005.Feb LS2005.May LS2007.Oct LS2008.Aug LS2009.Jan LS2011.Jan LS2012.Jun LS2013.Nov LS2015.Jan	LS2004.Jan LS2004.Nov AO2004.Dec LS2009.Apr	LS2015.Feb LS2020.Jan LS2020.Feb LS2020.Mar LS2020.Apr LS2020.May LS2020.Jun LS2020.Jul LS2020.Aug LS2020.Sep LS2020.Oct LS2020.Nov LS2020.Dec	AO2007.Feb AO2007.Oct AO2008.Feb AO2008.Oct AO2012.Feb AO2012.Dec	LS2013.Mar LS2013.May LS2014.Mar LS2015.Nov LS2016.May AO2017.Feb	LS2002.Sep LS2004.Feb LS2004.Jul LS2005.Jan LS2006.Apr	AO2013.Dec LS2015.Jan LS2016.Jan	LS2002.Jan AO2002.Aug LS2004.Sep
ARIMA model	(1 2 1)(0 1 1)	(1 1 0)(0 1 1)	(0 1 0)(1 1 0)	(0 0 0)(0 1 1)	(0 0 0)(0 1 1)	(1 1 1)(0 1 1)	(1 1 0)(1 0 0)	(0 1 1)(0 1 1)



Series	Education (2)	Education (3)	Cultural services	Hotel and other accommodation services	Outbound tourism	Sanatorium and health services (1)	Sanatorium and health services (2)	Medical services
Sample	2008.12 – 2014.12	2014.12 – to date	2001.12 – to date	2001.12 – to date	2001.12 – to date	2001.12 – 2010.12	2010.12 – to date	2001.01 – to date
Transformation	log	log	log	log	log	log	log	log
Outliers	LS2012.Aug LS2012.Sep	AO2015.Jan LS2015.Aug LS2017.Sep LS2018.Sep LS2020.Sep	LS2002.Sep LS2003.Oct	LS2013.Sep LS2013.Oct LS2013.Nov LS2014.Sep LS2018.Jun LS2018.Jul LS2020.May LS2020.Jun LS2020.Jul LS2020.Aug LS2020.Sep LS2020.Oct	LS2009.Jan LS2014.Dec LS2015.Jan LS2015.Apr LS2015.Aug LS2018.Apr LS2020.Apr LS2020.May LS2020.Jun LS2020.Jul LS2020.Aug LS2020.Sep LS2020.Oct LS2020.Nov LS2020.Dec	-	LS2017.Jun LS2018.May LS2018.Jul LS2020.May LS2020.Jun LS2020.Jul LS2020.Aug LS2020.Sep	LS2016.Jan
ARIMA model	(1 1 0)(0 1 0)	(0 1 1)(0 1 1)	(1 1 1)(0 1 1)	(0 1 1)(0 1 1)	(3 1 1)(0 1 1)	(1 1 1)(0 1 1)	(0 1 1)(0 1 1)	(1 2 1)(0 1 1)