



**JOINT-STOCK COMPANY "MARKA"**  
**(JSC "MARKA")**

**PRINTING PROTECTION**  
**STATE SIGNS OF POSTAL PAYMENT**  
**OF THE RUSSIAN FEDERATION**

14 JUNE 2019



# State signs of postal payment of the Russian Federation

## Stamps

**Definitive stamps**

**At least 5 degrees of protection**

**Artistic (commemorative) stamps  
and souvenir sheets**

**At least 2 degrees of protection**

## Envelopes

**At least 2 degrees of  
protection**

**Bearing letter "A", "D", or "K"**

**With an original stamp**

**Domestic reply mail**

## Postcards

**At least 1 degree of  
protection**

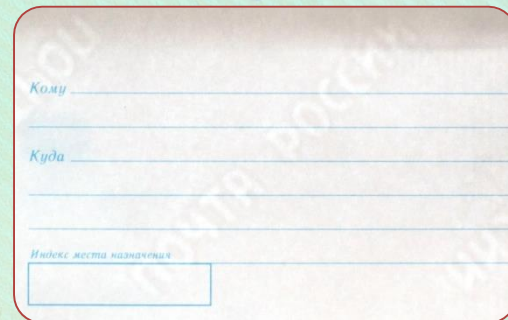
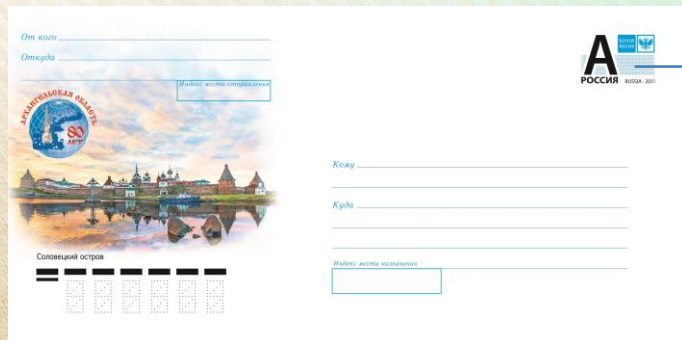
**Bearing letter "B"**

**With an original stamp**

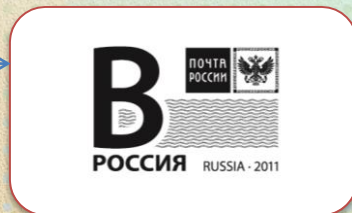
**Domestic reply mail**



# Definitive stamps printed on envelopes and postcards (Letters "A", "B")



1. Paper with watermark
2. Negative and positive microtext



1. Negative and positive microtext
2. Address grid as microtext



# 2009. The sixth issue of definitive postage stamps of the Russian Federation. Security features



Names of stamps (kremlins) are imprinted with black ink, invisible in the infrared range of the spectrum

Microtext «РОССИЯ»

Custom shape cutting

The coat of arms of the Russian Federation, the words «РОССИЯ», "RUSSIA", "2009" are printed in black paint, visible in the IR spectrum



A complex graphic pattern with subtle elements of metallic paint (inside the ornament) provides an additional visual protection

Special adhesive paper

Numbers denoting the denomination of the stamps are imprinted with a paint that has anti-Stokes luminescence of green color

A vertical stripe imprinted with metallized inks. protect against scanning and photocopying





# 2019. The seventh issue of standard postage stamps of the Russian Federation. Security features



Special adhesive paper

Graphic elements with luminescence under the influence of UV and IR radiation

Unique shape cutting

Graphic elements with a hidden of moire image

Special notches to prevent glueing

Positive microtext «МАРКА»

Graphic elements visible in the infrared (IR) spectrum

Graphic elements invisible in the infrared spectrum

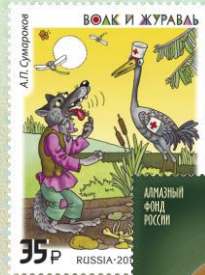
Graphic elements made with a special raster image

Negative microtext "РОССИЯ"



# As of 2017, all Russian commemorative stamps have additional security features

1. Special metameric paint that absorbs color under the influence of IR rays
2. Special visible and invisible paints, luminescent under the influence of UV rays
3. Anti-Stokes – the addition of a special pigment in the paint, visible with the help of a special device



The security features also include special paper manufactured by Goznak, perforation and special ink.



# Security features of commemorative stamps are checked using special equipment





# Printing Methods: Offset, metal ink, foiling, embossing

2015. 155<sup>th</sup> Anniversary of Bank of Russia



2018. 200<sup>th</sup> of Anniversary of Goznak





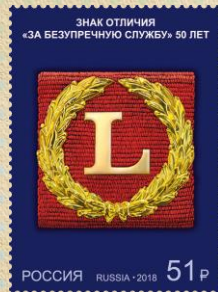


# Printing Methods: Offset, Partial Varnishing, embossing

## 2012–2016. State Awards of the Russian Federation. Orders



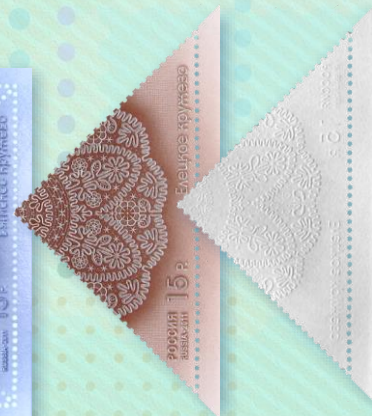
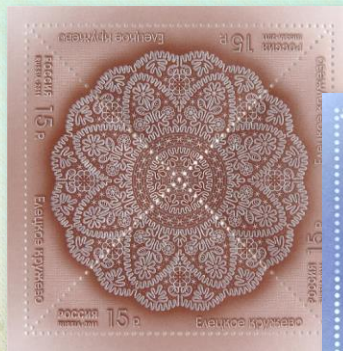
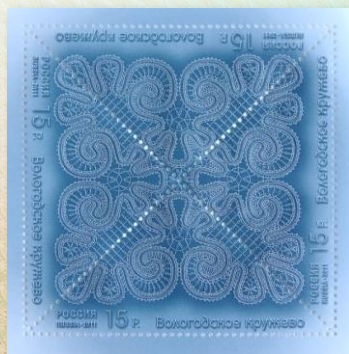
## 2018. State Awards of the Russian Federation. Badges of Merit





# Printing Methods: Offset, metallography, embossing, thermography – volume varnishing

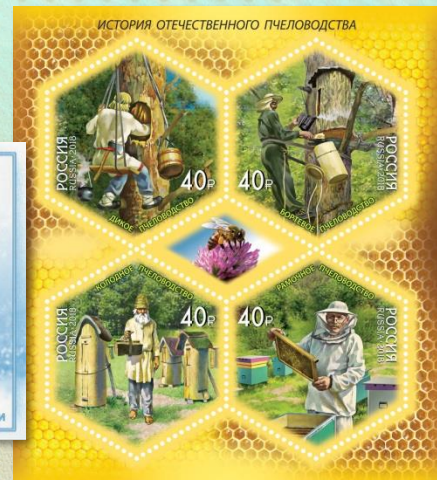
## 2011. Decorative and Applied Arts of Russia. Lace



## 2012. Decorative and Applied Arts of Russia. Kasli Cast-Iron Molding



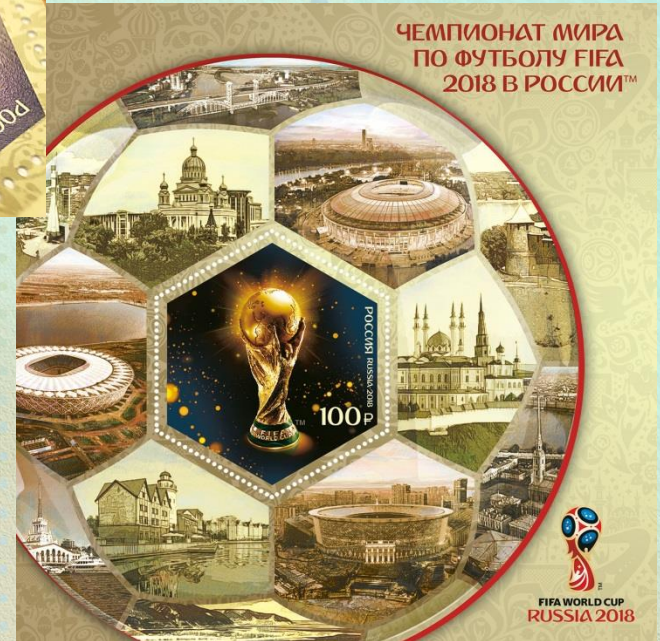
# Printing Methods: Self-adhesive paper, shape cutting





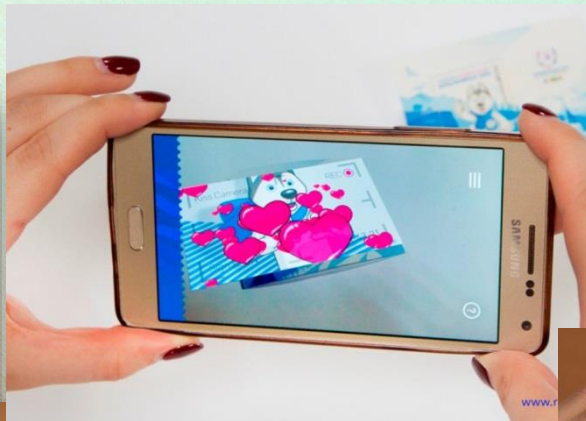
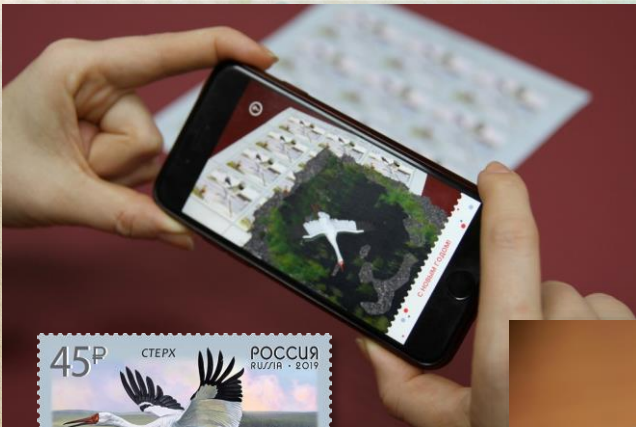
# Printing Methods: offset, bronze paste of varying density, partial varnishing

2015, 2018. The 2018 FIFA World Cup Russia™





# Stamps with Augmented Reality





## Counterfeit signs of postage stamps

In Russia, a reliable system of protection of state signs of postal payment has been introduced.

As a result of comparative examinations, specialists of JSC Goznak and JSC Marka have identified isolated cases of the presence of fake standard postage stamps, artistic marked envelopes and cards in various regions of Russia.

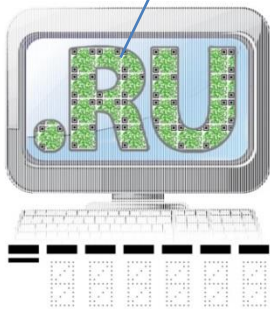
Year	Number of requests of commercial organizations for the examination the GZPO, pcs
2014	18
2015	20
2016	6
2017	5
2018	—

JSC Marka has never received any requests to examine artistic postage stamps for authenticity.



# Marking state signs postage stamps payment

## Use of QR-code on postage stamps and blocks



The QR-code is supposed to be introduced to mark each product unit by 2024



**Thank you for your  
attention!**