



Републички завод за статистику Србије
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TESTIRANJE UNOSA PODATAKA POMOĆU OPTIČKOG ČITAČA

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Rizici

- Nedostatak sopstvene prakse
- Ograničenja same tehnologije (hardver, programsko rešenje, paralelno prepoznavanje ćirilice i latinice)

Production Scanner: fi-5900C

- ◆ 125ppm/250ipm at 300 dpi (colour and mono)
- ◆ 500 Pages Automatic Document Feeder
- ◆ 50 - 600 dpi Resolution (600 dpi Optical)
- ◆ 3 ultrasonic sensors for multi-feed detection
- ◆ Built-in Kofax VRS 4.1 Professional HW module
- ◆ Image File Formats: TIFF, JPEG, BMP and PDF
- ◆ Selectable 2 x SCSI / 2 x USB 2.0 user interfaces
- ◆ Scanning Volume 40.000 - 100.000 Pages/Day
- ◆ Optional A3+ sized Pre and Post-Imprinter





Kodak
for Census Applications

3. Document Scan – i700 Series Scanners

Three Models: i730, i750, i780

Perfect Page Scanning now with
***AUTO ORIENTATION**

Easy access to complete
paper path; low maintenance

508 Compliant

IEEE 1394 (FireWire) Interface

Toggle Patch

Wide range of
paper types and sizes

Energy Star

Tri-zone UDDS

Independent adjustable side guides
now with locking feature

Dual Xenon Illumination, lifetime lamps covered
by service agreement

*** 300 dpi at 200 dpi speed**

Ergonomics – including 500
Sheet elevator

5 output formats
(Bitonal, Greyscale,
Colour, BW and
Greyscale, BW and
Colour)

SurePath
Paper Handling
Transport

Black or White
Background

Ultra Lightweight
Feeder

Dust control – enclosed
camera design

Front, PreScan Printer

ISIS and TWAIN drivers



Proces obrade





VRS

- VRS – Virtual ReScan tehnologija
- Omogućava da se sken automatski očisti od mrlja i fleka, kao i da se “izvuče” najbolji kontrast koji će naknadno omogućiti maksimalnu preciznost prilikom procesiranja u OCR programima.

Kofax Virtual Rescan (VRS)

Original

Packing List

ITEM NO.	ITEM NAME	QUANTITY	UNIT	REMARKS
1001	1001	1001	1001	1001
1002	1002	1002	1002	1002
1003	1003	1003	1003	1003
1004	1004	1004	1004	1004
1005	1005	1005	1005	1005
1006	1006	1006	1006	1006
1007	1007	1007	1007	1007
1008	1008	1008	1008	1008
1009	1009	1009	1009	1009
1010	1010	1010	1010	1010
1011	1011	1011	1011	1011
1012	1012	1012	1012	1012
1013	1013	1013	1013	1013
1014	1014	1014	1014	1014
1015	1015	1015	1015	1015
1016	1016	1016	1016	1016
1017	1017	1017	1017	1017
1018	1018	1018	1018	1018
1019	1019	1019	1019	1019
1020	1020	1020	1020	1020

RSVP

1. Overall, how do you rate the food service?

2. How do you rate the following:

a. Temperature of food?

b. Variety of food choices?

c. The appearance and presentation of the food?

d. The speed of our service?

e. The professional appearance of our food service personnel?

f. The cleanliness of the serving and dining area?

g. The general appearance of the dining area?

h. The experience of trays, waiters, waitresses and dishwashers?

i. The value of the meals you purchased?

3. Your comments are welcome. Please write on the reverse.

4. When do you usually visit? ☒ Daily ☐ Every 2-3 days ☐ Once a week ☐ Once a month

5. How often do you dine here? ☒ Everyday ☐ 2 or 3 times a week ☐ Once a week ☐ Infrequently

Your Name: Robert S. Davis Phone Number (661) 864-1350

THANK YOU!

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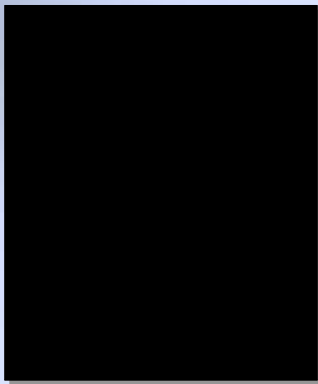
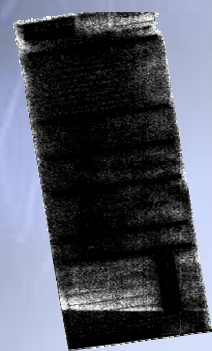
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OBRASCI
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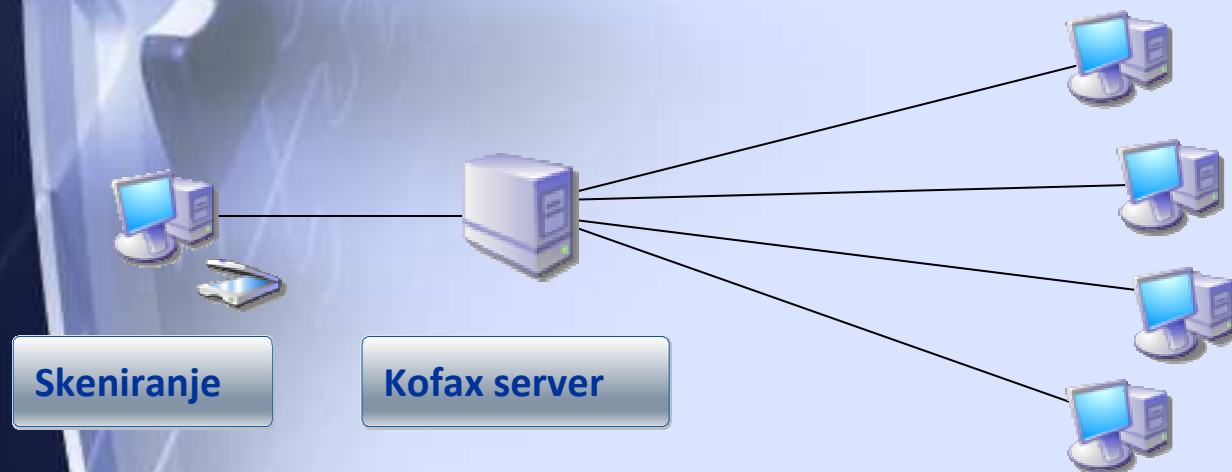
USA Airbill		807030972286	0210	Billing Copy
1 From Date: <u>27-05-00</u> Service's Account Number: _____ Sender's Name: <u>J D Hoops</u> Phone: <u>949 727 1733</u> Company: <u>Kojan</u> Address: <u>16245 Laguna Canyon Road</u> City: <u>IRVINE</u> State: <u>CA</u> Zip: <u>92618-3603</u>				
2 To Recipient's Name: _____ Phone: _____ Company: _____ Address: _____ City: _____ State: _____ Zip: _____				
3 For INFO of Location check here ☐ Home Module 31 ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery				
4 Express Package Service Packages under 100 lbs. ☐ Priority Overnight ☐ Standard Overnight ☐ 2nd Day Air ☐ 3rd Day Air				
5 Express Freight Service Packages over 100 lbs. ☐ Standard Freight ☐ Standard Freight ☐ Standard Freight				
6 Packaging ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10				
7 Special Handling ☐ Fragile ☐ Fragile ☐ Fragile ☐ Fragile ☐ Fragile				
8 Signature ☐ Signature ☐ Signature ☐ Signature ☐ Signature				

AIRWAY USA Airbill		807030972286	0210	Billing Copy
1 From Date: <u>27-05-00</u> Service's Account Number: _____ Sender's Name: <u>J D Hoops</u> Phone: <u>949 727 1733</u> Company: <u>Kojan</u> Address: <u>16245 Laguna Canyon Road</u> City: <u>IRVINE</u> State: <u>CA</u> Zip: <u>92618-3603</u>				
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3 For INFO of Location check here ☐ Home Module 31 ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery ☐ Home Delivery				
4 Express Package Service Packages under 100 lbs. ☐ Priority Overnight ☐ Standard Overnight ☐ 2nd Day Air ☐ 3rd Day Air				
5 Express Freight Service Packages over 100 lbs. ☐ Standard Freight ☐ Standard Freight ☐ Standard Freight				
6 Packaging ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10				
7 Special Handling ☐ Fragile ☐ Fragile ☐ Fragile ☐ Fragile ☐ Fragile				
8 Signature ☐ Signature ☐ Signature ☐ Signature ☐ Signature				

Mrežno rešenje

Za postavljenje okruženja za skeniranje i obradu popisnih obrazaca postavljena je sledeća oprema:

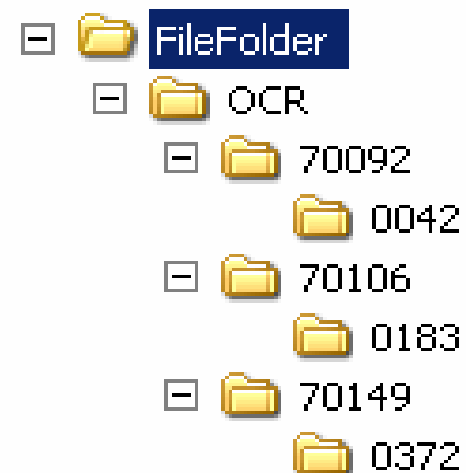
- ☐ 1 server (centralna administracija sistema, raspoznavanje/transformacija, upis u bazu i na disk)
- ☐ 1 skenirnu stanicu (priključen skener)
- ☐ 15 radnih stanica za verifikaciju
- ☐ 5 administrativnih radnih stanica



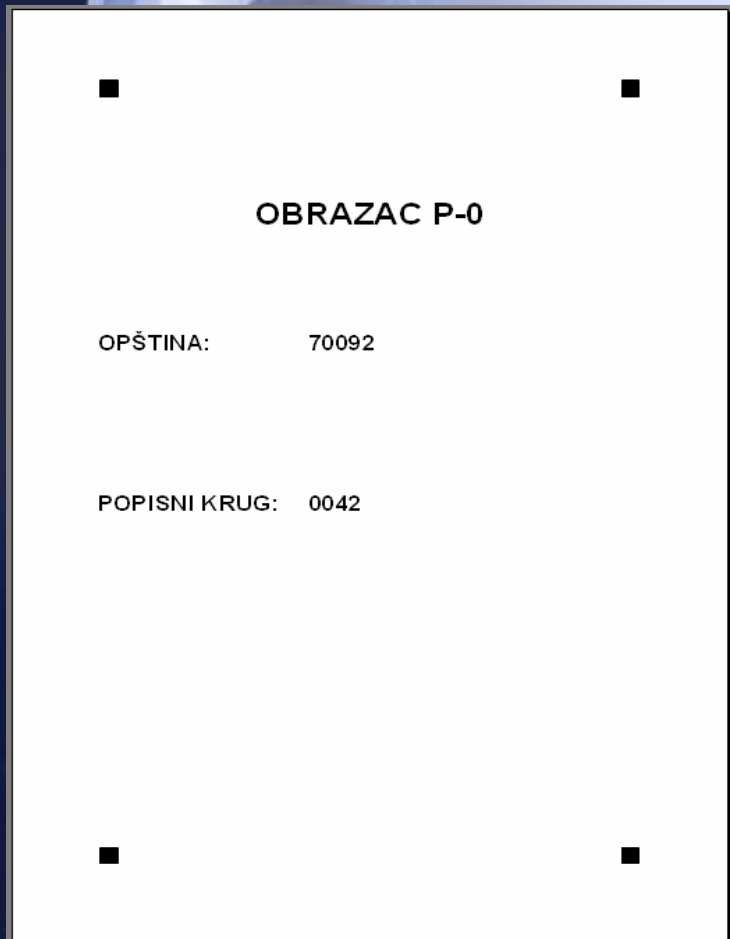
Radne stanice za:
- validaciju (15) i
- administraciju (5)

Struktura na fajl sistemu

- 1.nivo: OPŠTINA
- 2.nivo: POPIJNI KRUG
- U folderu za određeni popisni krug smeštaju se svi obrasci P-2 i P-1 tog popisnog kruga.



Pomoćni obrazac P0



■ ■

OBRAZAC P-0

OPŠTINA: 70092

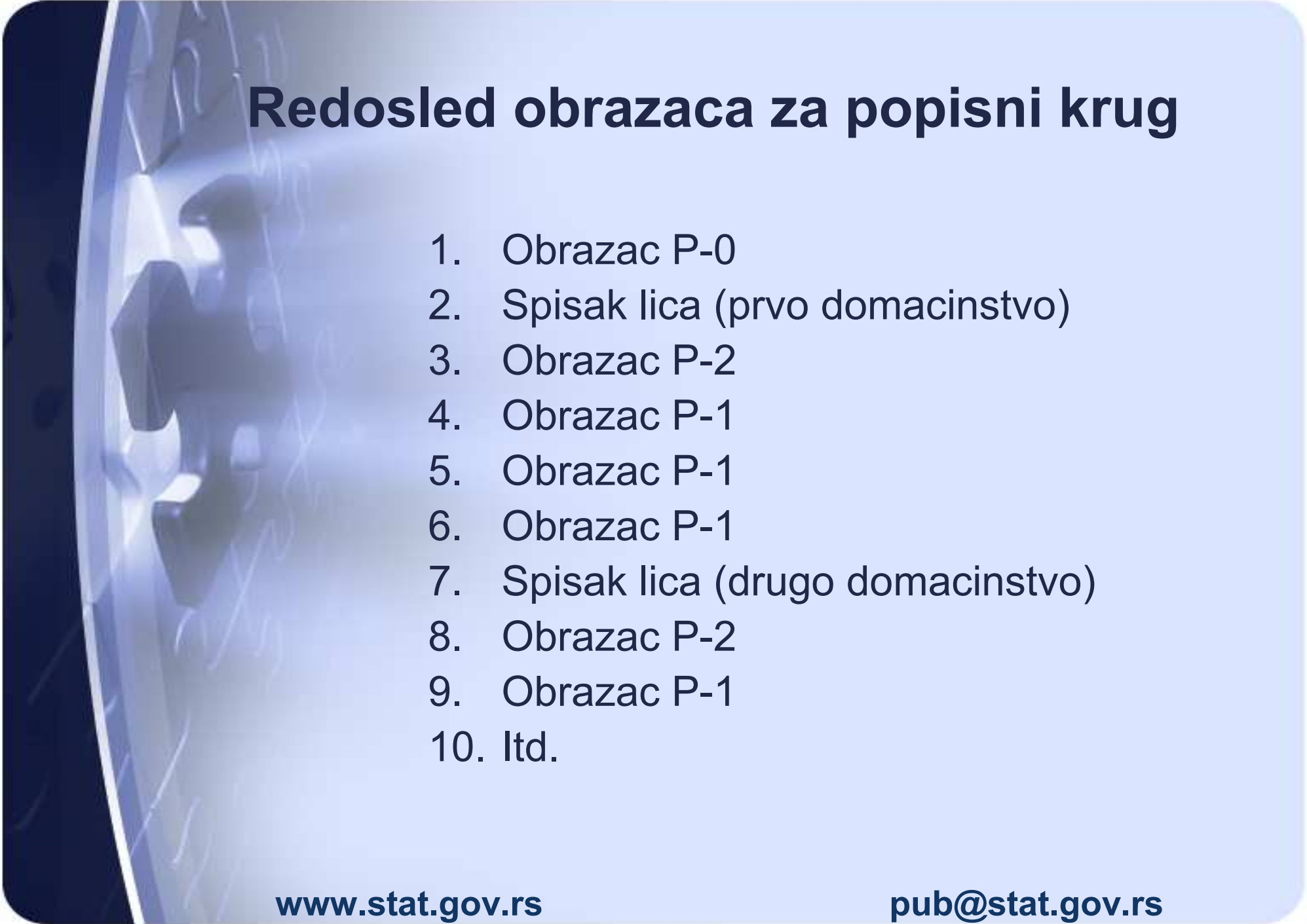
POPISNI KRUG: 0042

■ ■

- Da bi se optimizovao postupak obrade i da bi se obezbedila bolja kontrola podataka, u proces obrade je uključen pomoćni obrazac nazvan P-0,
- Vodeći obrazac na početku svih obrazaca za pojedini popisni krug
- Obrazac P-0 sadrži pored markera za skeniranje (automatsko prepoznavanje obrasca) samo dva podatka:
 - Opština
 - Popisni krug

Verifikacija kontigenta

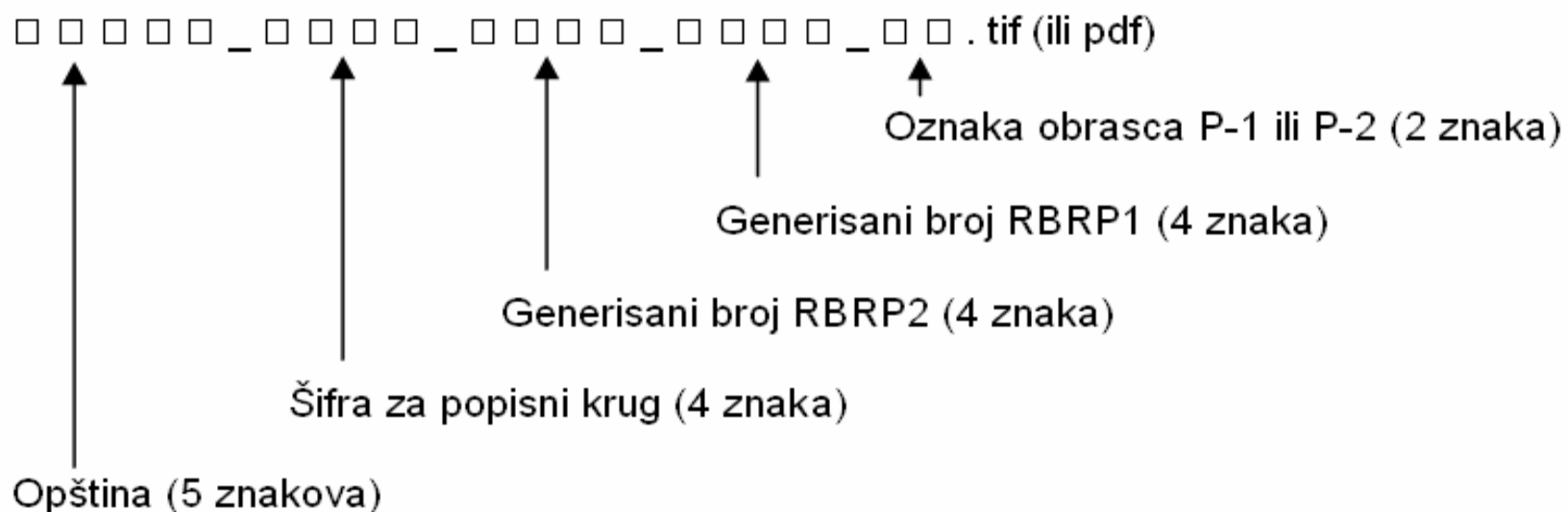
- U svaki slog u bazi pored isčitanih i verifikovanih podataka sa P-2 ili P-1 obrasca, zapisuju se radi provere i podaci sa obrasca P-0 (opština i popisni krug) + generisani redni broj obrasca u obradi.
- U slogove lica dodaje se i podatak o rednom broju domaćinstva P-2 kome taj P-1 pripada
- Generisani redni broj formira se po redosledu skeniranja obrazaca:
 - prvi skenirani P-2 obrazac u okviru popisnog kruga dobija redni broj 0001 (sledeći 0002).
 - slede obrasci P-1, koji pripadaju tom domaćinstvu, i dobijaju redne brojeve 0001, 0002, ..., n u zavisnosti od redosleda skeniranja



Redosled obrazaca za popisni krug

1. Obrazac P-0
2. Spisak lica (prvo domacinstvo)
3. Obrazac P-2
4. Obrazac P-1
5. Obrazac P-1
6. Obrazac P-1
7. Spisak lica (drugo domacinstvo)
8. Obrazac P-2
9. Obrazac P-1
10. Itd.

Nazivi skeniranih dokumenata



Prilikom formiranja imena fajla koriste se podaci iz obrasca P-0 (opština, popisni krug).



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