

TWF/45/7

**ORIGINAL:** English **DATE:** May 19, 2014

## INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

#### TECHNICAL WORKING PARTY FOR FRUIT CROPS

#### **Forty-Fifth Session**

Marrakesh, Morocco, from May 26 to 30, 2014

#### **EXCHANGEABLE SOFTWARE**

Document prepared by the Office of the Union

Disclaimer: this document does not represent UPOV policies or guidance

- 1. The purpose of this document is to report on developments concerning exchangeable software and a proposal concerning the development of a new information document.
- 2. The following abbreviations are used in this document:

CAJ: Administrative and Legal Committee

TC: Technical Committee

TWC: Technical Working Party on Automation and Computer Programs

TWPs: Technical Working Parties

- 3. The structure of this document is as follows:

#### I. NEW INFORMATION DOCUMENT

4. The CAJ, at its sixty-eighth session, held in Geneva on October 21, 2013, agreed with the conclusions of the TC, at its forty-ninth session, that the title of document UPOV/INF/16 "Exchangeable Software" and the text of Section 1 "Requirements for exchangeable software" should remain unchanged on the basis that the document concerns software that had been developed or customized by a member of the Union for UPOV purposes; and that it would be useful for the TC to seek to develop a separate information document that

would allow members of the Union to provide information on the use of non-customized software and equipment (e.g. data loggers) that was used by members of the Union (see document CAJ/68/10 "Report on the Conclusions", paragraph 30).

5. The TC at its fiftieth session, held in Geneva, April 7 to 9, 2014, and the CAJ, at its sixty-ninth session, held in Geneva, April 10, 2014, agreed to propose new information document (UPOV/INF/22 "Software and equipment used by members of the Union") for adoption by the Council at its forty-eighth ordinary session, to be held in Geneva on October 16, 2014, on the following basis (see document TC/50/8, paragraph 6, TC/50/36 "Report on Conclusions", paragraph 110, and CAJ/69/12 "Report on Conclusions", paragraph 39).

Title	"Software and equipment used by members of the Union" (document UPOV/INF/22)	
1. Requirements	<ul> <li>1.1. Members of the Union are invited to provide information on software/equipment for inclusion on the basis that it has been used for the purposes of plant variety protection.</li> <li>1.2. Information on the following should be provided by any member of the Union proposing software/equipment for inclusion in this document:  Title of software/equipment Function (brief summary) Source and contact details Category(ies) of use (see section 3, below)</li> </ul>	
2. Procedure for inclusion of software/equipment	Software/equipment proposed for inclusion in this document by members of nion is, in the first instance, presented to the TC.  The TC will decide whether to:    propose to include the information in the document;    request further guidance from other relevant bodies (e.g. CAJ and TWPs);    or    propose not to include the information in the document.  In the case of a positive recommendation by the TC and, subsequently by AJ, the software/equipment will be listed in a draft of the document, to be dered for adoption by the Council.	
3. Categories of software/equipment	To assist users, information on software/equipment is provided in the following categories:  Administration of applications On-line application systems Variety denomination checking DUS trial design and data analysis Data recording and transfer Image analysis Biochemical and molecular data	
4. Information on use by members of the Union	<ul> <li>4.1 A circular is issued to members of the Union on an annual basis, inviting them to provide information on their use of the software/equipment included in this document.</li> <li>4.2 The information on software/equipment use by members of the Union is indicated in the columns "Member(s) of the Union using the software/equipment" and "Application by user(s)". With regard to the indication of "Application by user(s)", members of the Union can indicate, for example, crops or types of crop for which the software/equipment is used.</li> </ul>	

6. Subject to adoption of document UPOV/INF/22 by the Council, the Office of the Union will issue a circular to the designated persons of the members of the Union in the TC, inviting them to provide information regarding non-customized software and equipment used by members of the Union for inclusion in the document.

II. REVIEW OF DOCUMENT UPOV/INF/16 "EXCHANGEABLE SOFTWARE"

Software proposed for inclusion in document UPOV/INF/16 "Exchangeable software"

#### SIVAVE software

- 7. The TWC, at its thirty-first session, held in Seoul, June 4 to 7, 2013, considered the SIVAVE software proposed by Mexico, which allows for the real-time dissemination of the status of proceedings concerning applications for breeders' rights. It agreed that the SIVAVE software was suitable for inclusion in document UPOV/INF/16 (see document TWC/31/30, Annex page 7, and TWC/31/32 "Report", paragraph 72).
- 8. The TC, at its fiftieth session, and the CAJ, at its sixty-ninth session, agreed that a draft revision of document UPOV/INF/16/3 concerning the inclusion of the SIVAVE software should be presented for adoption by the Council, at its forty-eighth ordinary session, to be held in Geneva on October 16, 2014 (see document TC/50/36, paragraph 114, and CAJ69/12, paragraph 41 and 42).

#### SISNAVA software

- 9. The TWC, at its thirty-first session, considered the SISNAVA software developed by Mexico, which computes difference in characteristics between varieties. It requested Mexico to provide further information on the SISNAVA software to clarify the method of determination for the crop specific limits of acceptance (sum of differences), including the role of the crop experts in this process, to be presented to the TWC at its thirty-second session (see document TWC/31/30, Annex page 1, and TWC/31/32 "Report", paragraph 73).
- 10. The TC, at its fiftieth session, and the CAJ, at its sixty-ninth session, noted that Mexico had been invited to provide further information on the SISNAVA software at the thirty-second session of the TWC.

#### Information on use by members

- 11. The TC approved the revision of document UPOV/INF/16 concerning the inclusion of information on the use of software by members of the Union to include the information received by the Office of the Union (see document TC/50/36 paragraph 116, and TC/50/8 Annex III).
- 12. The CAJ agreed the proposed revision of document UPOV/INF/16 concerning the inclusion of information on the use of software by members of the Union as a basis for its adoption by the Council at its forty-eighth ordinary session, to be held on October 16, 2014 (see document CAJ/69/12 paragraph 44).
- III. TRANSLATION OF SOFTWARE IN DOCUMENT UPOV/INF/16/3

#### AIM software

- 13. The user interfaces and user manual of the AIM software have been translated into English by the Office of the Union and have been verified by the expert from France. An expert from France will provide a presentation on the AIM software at the thirty-second session of the TWC, to be held in Helsinki, Finland, from June 3 to 6, 2014, based on the screenshots taken from the translated user interfaces and user manual. A complete copy of the user manual is available from the UPOV website at: <a href="http://upov.int/meetings/en/details.jsp?meeting\_id=31703">http://upov.int/meetings/en/details.jsp?meeting\_id=31703</a>.
- 14. The TC, at its fiftieth session, and the CAJ, at its sixty-ninth session, noted that an expert from France would make a presentation on the AIM software at the thirty-second session of the TWC, based on the English translation of the software requirements (see document TC/50/36 "Report on the Conclusions", paragraph 118, and CAJ/69/12 "Report on the Conclusions", paragraph 45)..

#### Information System (IS) used for Test and Protection of Plant Varieties in the Russian Federation

15. With regard to the possible translation of the "Information System (IS) used for Test and Protection of Plant Varieties in the Russian Federation", it was agreed by the CAJ, at its sixty-eighth session, held on October 21, 2013, that the Office of the Union should arrange a telephone meeting in Russian with the IT expert of the Russian Federation in order to clarify translation requirements (see document CAJ/68/10 "Report on the Conclusions", paragraph 32).

- 16. A telephone meeting in Russian with an IT expert of the Russian Federation was organized by the Office of the Union on December 3, 2013, in order to clarify translation requirements for the "Information System (IS) used for Test and Protection of Plant Varieties in the Russian Federation" software. It was concluded from the meeting that the translation of the user interfaces of the software would be technically very difficult as the software is designed only to deal with data written in Russian language and, therefore, it would be necessary to rewrite the entire program of the software in order to create an English version of the user interfaces. It was also reported that a user manual that would be suitable for translation did not exist. However, it was proposed by the IT expert from the Russian Federation that some English screenshots be created for presentation to the TWC, at its thirty-second session, in order to explain how the software works.
- 17. The TC, at its fiftieth session, agreed that selected screenshots in English of the software "Information System (IS) used for Test and Protection of Plant Varieties in the Russian Federation" be presented to the TWC at its thirty-second session, in order to explain how the software worked requirements (see document TC/50/36 "Report on the Conclusions", paragraph 120, and CAJ/69/12 "Report on the Conclusions", paragraph 46). The selected screenshots in English of the software "Information System (IS) used for Test and Protection of Plant Varieties in the Russian Federation" prepared by an expert from the Russian Federation are attached in the Annex to this document.

#### 18. The TWF is invited to note that:

- (a) document UPOV/INF/22 "Software and equipment used by members of the Union" will be presented for adoption by the Council at its forty-eighth ordinary session, to be held in Geneva on October 16, 2014, as set out in paragraph 5;
- (b) subject to adoption of document UPOV/INF/22 by the Council at its forty-eighth ordinary session, a circular will be issued to the designated persons of the members of the Union in the TC, inviting them to provide information regarding noncustomized software and equipment used by members of the Union, as appropriate;
- (c) a revision of document UPOV/INF/16/3 concerning the inclusion of the SIVAVE software will be presented for adoption by the Council at its forty-eighth ordinary session, to be held on October 16, 2014;
- (d) Mexico has been invited to provide further information on the SISNAVA software at the thirty-second session of the TWC;
- (e) the TC and CAJ agreed with the proposed revision of document UPOV/INF/16 concerning the inclusion of information on the use of software by members of the Union.
- (f) an expert from France will make a presentation on the AIM software at the thirty-second session of the TWC, based on the English translation of the software; and
- (g) the explanation of the software "Information System (IS) used for Test and Protection of Plant Varieties in the Russian Federation" is provided in Annex of this document.

#### **ANNEX**

# INFORMATION SYSTEM (IS) USED FOR TEST AND PROTECTION OF SELECTION ACHIEVEMENTS IN THE RUSSIAN FEDERATION

(Information provided by Russian Federation on April 25, 2014)

UPOV TWC/32, June 3 to 6, 2014 (Helsinki, Finland)



# PROTECTION OF SELECTION ACHIEVEMENTS IN THE RUSSIAN FEDERATION



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Test and Protection (State Commission)
Ministry of Agriculture of the Russian Federation



# PROGRAMM COMPLEX "ZAJAVKA"

The program complex "Zajavka" is intended:

for registration and information support of applications for selection achievements, including decisions making on them and,

also for provision of experts by the various supplemental information concerning crops, selection achievements, various types of the subjects and other information submitted both on the monitor screen, and in a hard-copy form.



## MAIN FORM

The main form is functionally subdivided into five areas.

We name them:

«Menu», «Crop», «Variety», «Application», «Subject».

The area «Crop» is the area for choice of a crop and for placing of applicable information concerning the crop (Crop Type, Protection Starting Date, Total Number of the Crop Varieties, etc.).

There is also switch modes for application operation
(NEW - EXISTING) and action button

"Registration of Appl." on the area to register in the database information concerning entering applications submitted at the first time.



## **MAIN FORM**

The next area «Variety» is used to register varieties submitted firstly and to display the information concerning existing varieties.

The area contains the following fields:

Breeder's reference (BR)

Full Variety Denomination

Short Variety Denomination (not more than 20 symbols) and Action button 'Variety' to control Full Variety Denomination Identity/Uniqueness within specified crops group when writing new varieties.

When working with applications registered, area «Variety» is used to display information in respect of a variety for what application chosen had been filed:

Start Testing Year (STY), Entering in PBR List (P),

Year of Excluding from PBR List or Year Tests Stopping (YTS) in case the variety has not been entered in PBR List before.



## MAIN FORM

The area «Application» contains information concerning application:

- Type
- · Reference Number
- Application Origin Country
- Registration Date and
- Newsletter (Bulletin) Issue where it has been published firstly.

The area «Subject» (the lowermost part of the form) is intended for accomplishment of operations with subjects of the application.

Subjects are:

- Applicants
- Representatives
- Maintainers and
- Breeders.

They can be deleted and added. In the meanwhile, information about change of subjects' composition of the application is saved in the database.



## MAIN FORM

The area «Subject» (the lowermost part of the form) is intended for accomplishment of operations with subjects of the application.

Subjects are:

- Applicants
- · Representatives
- · Maintainers and
- Breeders

They can be deleted and added.

In the meanwhile, information about change of subjects' composition of the application is saved in the database.

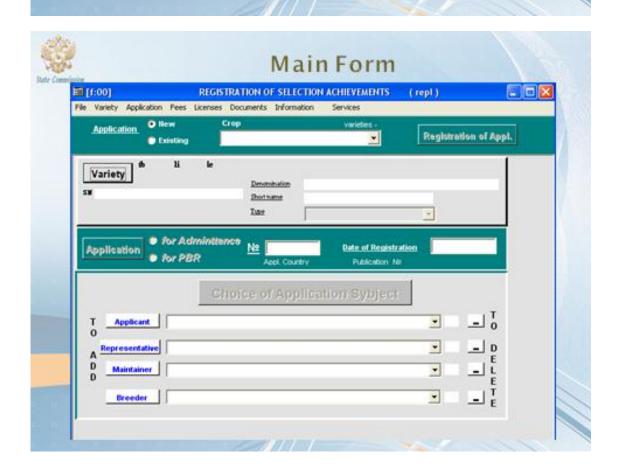


## MAIN FORM

Options of the area «Menu» located in the top part of the form are intended for servicing of selection achievements and applications for them:

Varieties Denomination Service
Charge and Control of Fees
Preparation of Documents
Record of Decisions Making in respect of applications etc.)
and, also

for forming of inquiries of the various help information from the database (concerning crops, varieties, applications, subjects) and for data submission in hard-copy form.





## REGISTRATION OF APPLICATION FOR A NEW SELECTION ACHIEVEMENT

## Order of Registration of new Application:

- Set the switch of operating modes with applications in mode 'New' and choose a crop.
- Complete fields: Breeder's reference, Variety Denomination, Variety Short Denomination, Variety Type (Variety Type is chosen from a list)
- 3. Check variety denomination identity press button 'Variety'. Variety Denomination Identity checking is made in array of varieties denominations of crops group specified.

The crop for which new application is registered belongs to the very group.

If varieties with similar denominations are detected when checking, new application data input is stopped and applicant's agreement should be seek in respect of denomination proposed. If no denomination repetitions were detected, new application data input may be continue.



## REGISTRATION OF APPLICATION FOR A NEW SELECTION ACHIEVEMENT

#### Order of Registration of new Application

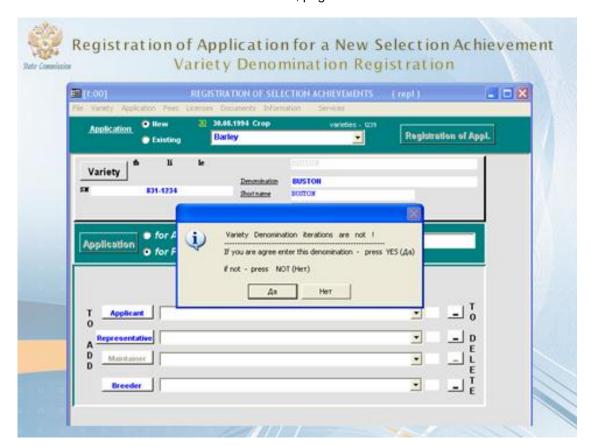
- 4. Write country of application origin. Than in menu 'Variety' choose option 'Breeding Country'.
- 5. Set type of application (Usage Admittance PBR): set switch 'for Admittance' / 'for PBR' of the area "Application" and press button 'Application'.

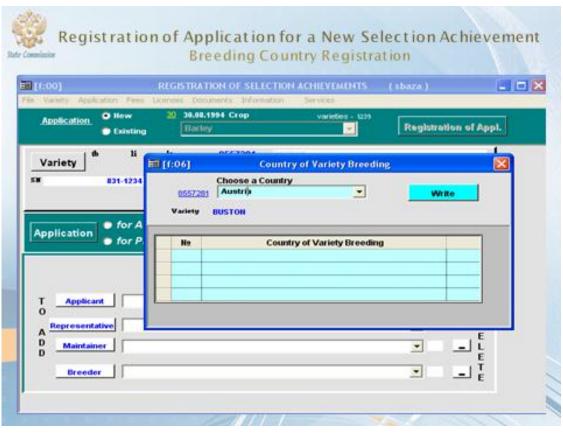
In the meanwhile the application is assigned its reference number and date of the application registration is written in field 'Date of Registration'.

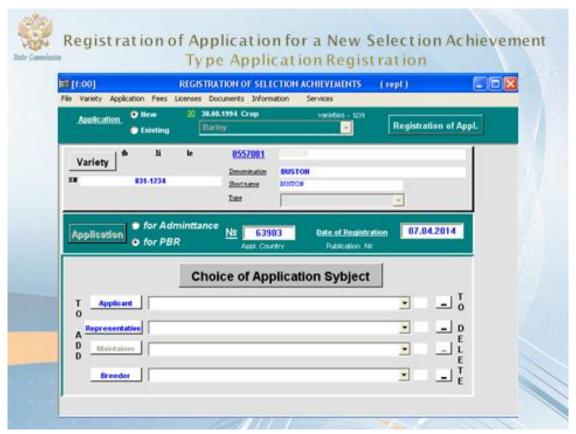
6. Write subjects of the application (Applicants, Maintainers, Breeders and Representatives).

On slide "Registration of Application for New Selection Achievement - Record of Subjects of the Application" the status of the program is shown after the subject choosing and button pressing 'Applicant'. In the absence of the subject required in the database it can be added in the base at once.

7. All information prepared about the new application will be saved after button pressing 'Registration of Appl.' (located in the right top corner of "Crop" area) and will be available for experts to work with the application in future.











## REGISTRATION OF APPLICATION FOR A NEW SELECTION ACHIEVEMENT

## Order of Registration of new Application:

Thus, we have registered the following application for selection achievement:

Crop - Barley

Type of Application: PBR (the application has been assigned

with reference number: 63793)
Date of Registration: 20.03.2014

Denomination: BUSTION (code assigned: 8556976)

Short Denomination: BUSTION Breeder's reference: 841-1234 Breeding Country: Austria

Applicant: RWA RAIFFEISEN WARE AUSTRIA

Representative: POPOVPAVEL Breeder: ALBER DELAVER



## **New Subject Registration**

	Country	•	
Name	6677		
ddress			
Tel.	● Legal person ← Physical person	Property Type	
Fax		C Private	
E-mail			Write



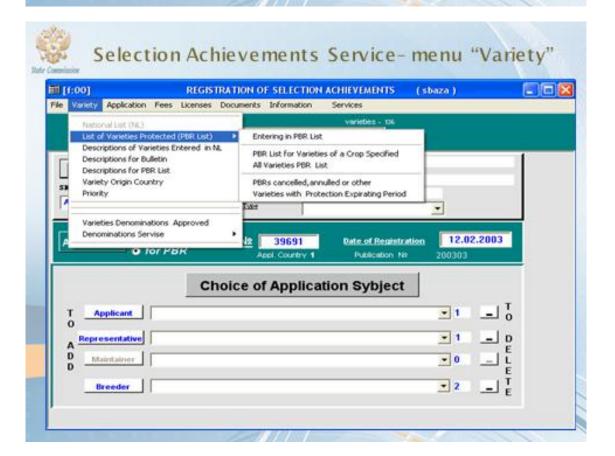
## Menu «Variety»

Menu «Variety» is intended for a work with varieties.

Options included in the menu make possible,

for example:

- to determine Date of Variety Entering in / Exclusion from Regions Specified of the varieties entered in the NL
- to determine Date of Protection Starting
- to develop descriptions for periodic bulletins and PBR List
- to monitor changes concerning Varieties Denominations and Priority and, also
- to save these changes in databases
- to make lists of the varieties satisfying set conditions





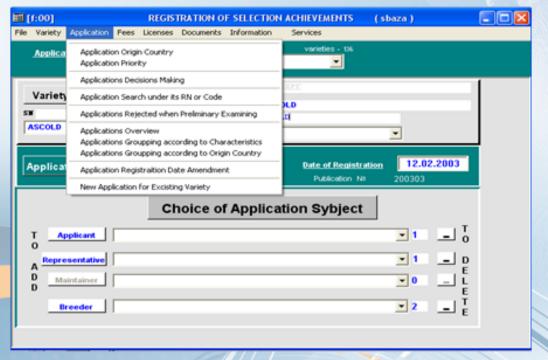
## Menu «Application»

Menu «Application» is intended for a work with applications for selection achievements. The menu options make possible:

- to monitor and correct applications priorities
- to decide about applications (entering in/exclusion from Registers (NL, PBR List), tests stopping, etc.)
- to carry out a fast search of application required in database
- to make lists of applications satisfying set conditions
- to correct parameters of applications saving amendments made before



## Applications Service - menu "Application"





#### Menu «Fees»

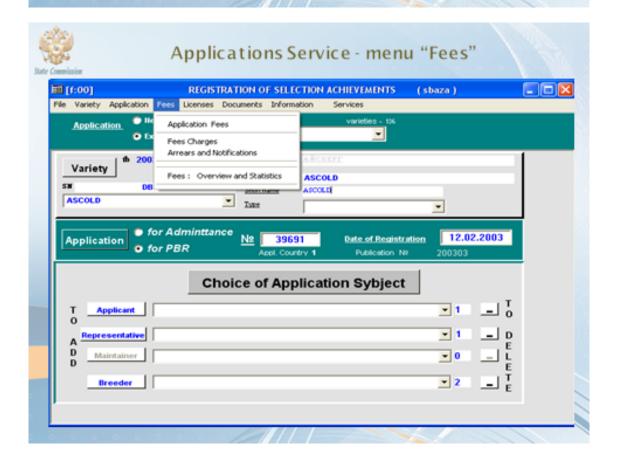
Menu «Fees» is intended for a work with applications for PBR. Options included in the menu make possible:

## to charge fees

to perform with fees the following operations:

- to correct fees
- to delete fees
- to form notifications for applicants about an underpay of fees
- to conduct actions on PBR transfer

to charge, using special algorithms, fees for maintenance of selection achievements in PBR List.



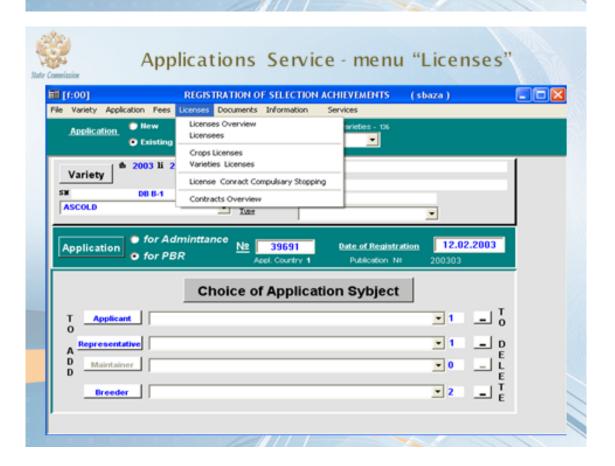


#### Menu «Licenses»

Menu «Licenses» implements, in general, possibilities for receiving various supplemental information for its representation on paper carriers subsequently.

The menu is intended for a work with those varieties only entered in the List of Selection Achievements Protected (PBR List).

The menu options make possible to receive:
information about effective licenses and licensees,
statistical reports on licenses proportion depend on types
and crops, periods of licenses validity and termination and
contracts viewing on transfer of the right for selection
achievements usage.



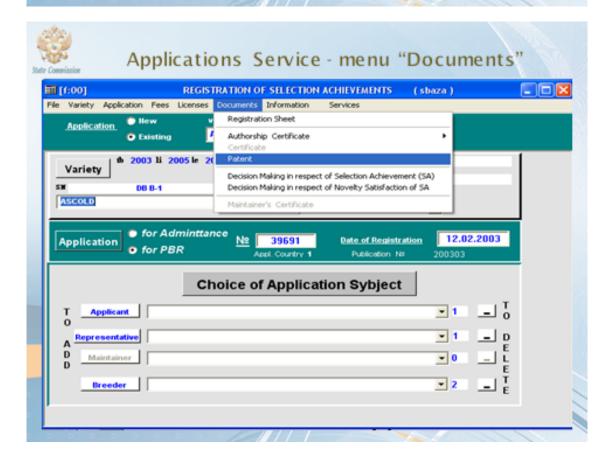


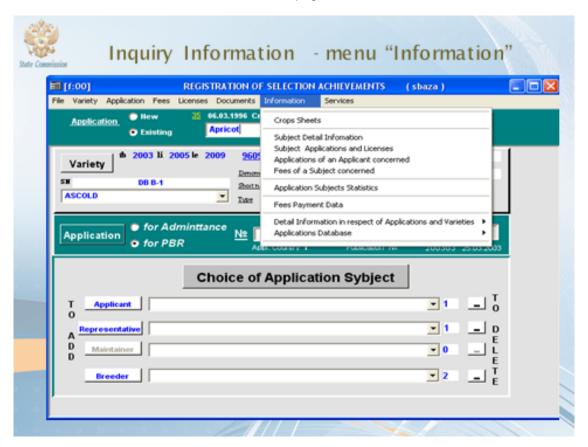
#### Menu «Documents»

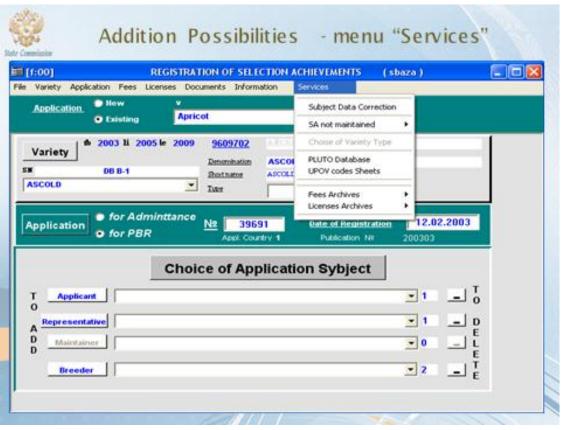
Menu «Documents» is intended to make printing forms of documents concerning selection achievements and application.

Some of these documents are listed below:

- 'Registration Sheet' the document on passage of preliminary examination of the application
- 'Authorship Certificate' the document certificating authorship for a variety
- 'Notification of Decision-Making in Respect of Selection Achievement' - the document informing the applicant about accepting any decision on a variety. For example, concerning entering selection achievement in the National List or in PBR List, etc.
- 'Patent' (=PBR) the document establishing an exclusive right (PBR) on a selection achievement.

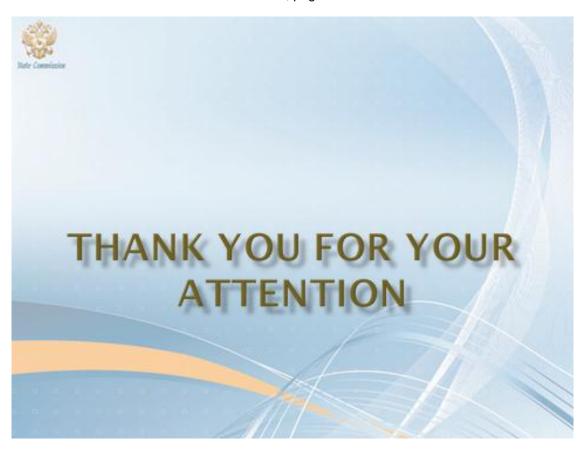






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