



TWC/30/35

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

**TECHNICAL WORKING PARTY ON AUTOMATION AND
COMPUTER PROGRAMS****Thirtieth Session****Chisinau, Republic of Moldova, June 26 to 29, 2012****INFORMATION SYSTEM (IS) USED FOR TEST AND PROTECTION OF PLANT VARIETIES IN THE
RUSSIAN FEDERATION***Document prepared by an expert from the Russian Federation*Background

1. Section 4 of document UPOV/INF/16/1 "Exchangeable Software", adopted by the Council of UPOV at its forty-fourth ordinary session, provides the following:

"4. Information on use by members of the Union

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 included in document UPOV/INF/16.

4.2 The information on software use by members of the Union is indicated in the columns "Member(s) of the Union using the software" 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 is used."

Discussion in the TWC

2. The Technical Working Party on Automation and Computer Programs (TWC), at its twenty-ninth session held in Geneva from June 7 to 10, 2011, noted the proposals made by the Russian Federation provided in Annex II to document TWC/29/7 and looked forward to receiving a presentation by experts from the Russian Federation at a future session (see document TWC/29/31 "Report", paragraph 52).

3. The Annex to this document contains a presentation on the exchangeable software from the Russian Federation prepared for inclusion in document UPOV/INF/16/2 "Exchangeable Software".

[Annex follows]

TWC сессия
Chisinau, Republic of Moldova, June 2012.

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

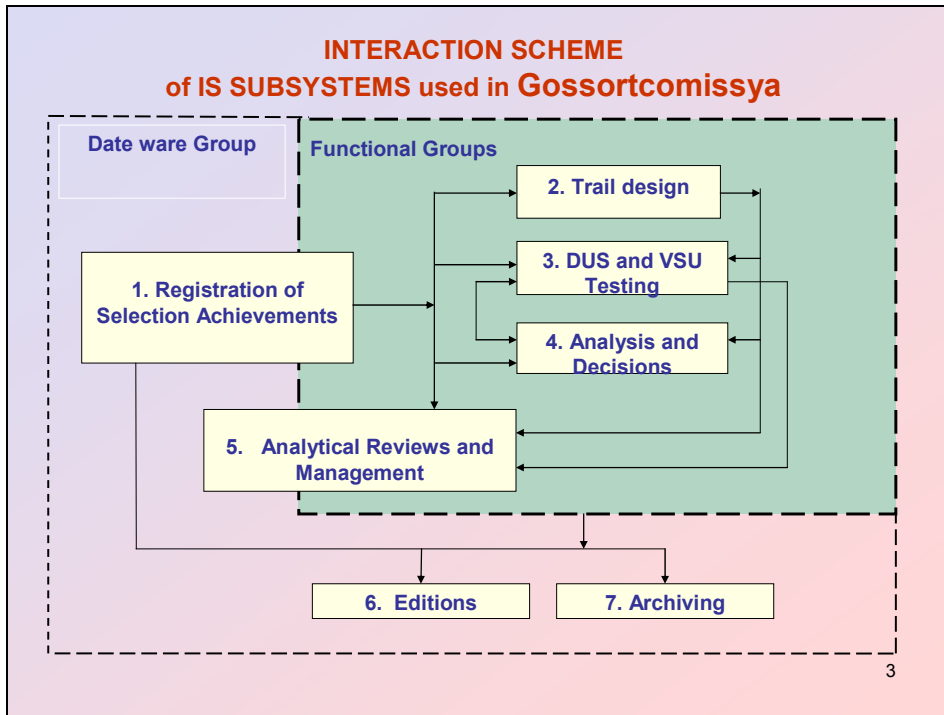
**State Commission of the Russian Federation for Selection
Achievements Test and Protection (Gossortcomissiya)**

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**Information System (IS) exploited in the Russian
Federation has been developed by IT Specialists of
Gossortcomissiya. IS is used for Data Acquisition,
Accumulation, Storage and Information Processing
in Relational Database «SqlBase»
and includes the following Functional Subsystems
(IS Subsystems):**

- w **Trail Design**
- w **DUS Testing**
- w **VCU Testing**
- w **Analysis and Decisions**
- w **Analytical Reviews**
- w **Management**
- w **Editions**
- w **Archiving etc.**
- w **Registration**

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**Subsystem “REGISTRATION”
is Base of IS in which framework all Operations
for Data Acquisition and Accumulation in respect
of Selection Achievement contained in Materials
of Application and concerning Decision-Making
are Performed Practically**

Objects of the Subsystem are:

- § Crop (genus)
- § Variety
- § Application
- § Entity

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Datasheets of Database «SqlBase» contain the following columns corresponding to Objects specified above

Table № 1. Crop (Genus)

Code of Crop
Name of Crop
Block of Register (List)
Block of Varieties Testing
Crop Number in Varieties Testing
Block of Class
Serial number of Crop in the Register Block
Latin Name of Crop
VCU Trails Marking
Start Date of Protection
Sign of Small Extended Crop
Number of Years of Protection
Sign of Crop for Expert Assessment
UPOV Code of Crop

Table. № 2. Variety

Code of a Variety
Comprehensive Variety Denomination
Code of Crop
Variety Denomination for Testing
Latin Variety Name
Breeder,s Reference
Category
Breeding Country

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Datasheets of Database «SqlBase» contain the following columns corresponding to Objects specified above (continuation)

Table № 3. Application

Application Number (Code)
Variety Code
Application Type
Date of Registration of the Application
Rejection Date
Rejection Reason
Publishing Sign
Number (Code) of Entity
Examination End Date
DUS Testing Sign
VCU Testing Sign
Start Test Year (Application Filing Year)
Year of Variety Entering in a List
Year of Variety Removal from the List / Testing Removal
Reason of End of Protection / Admission
Application Type

Table 4. Subject

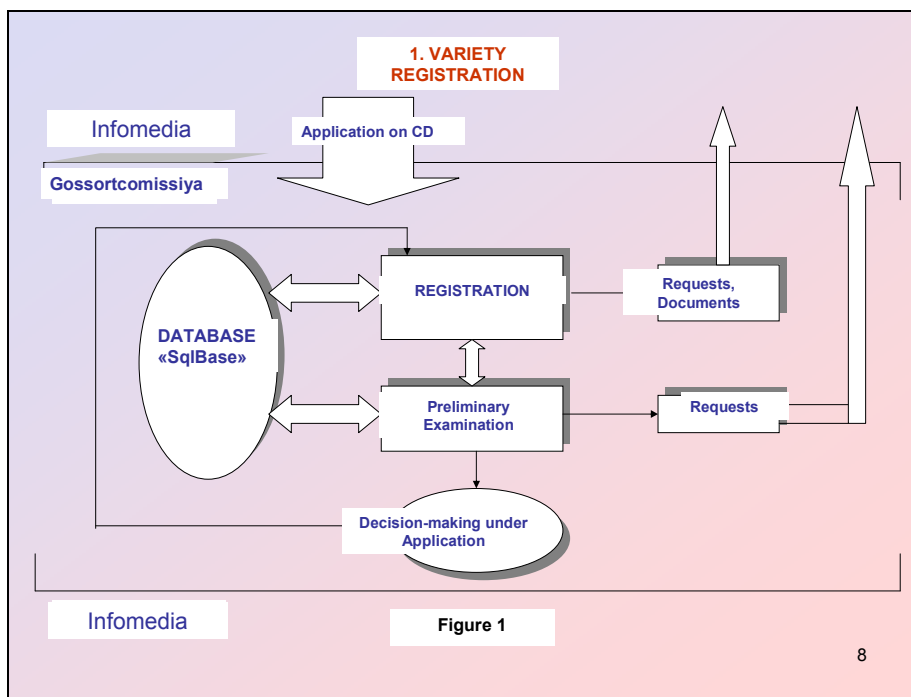
Entity's Code
Entity's Name
Entity's Address
Entity's Country Code
Entity's Area Code
Phone:
Fax:
E-MAIL:
Entity's Type

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**To maintain Operation of any Subsystem
Relations between the Tables have been specified
and Directories System assuring Database «SqlBase» Integrity
has been developed**

For example:

Crops List (currently 922 taxons) [tabl_01_rod.xls](#);
Classes Blocks List (522 names) [tabl_07_kls.xls](#);
Expression of Characteristics (188 indexes) [tabl_09_znx.xls](#);
Application Types (2 types: Protection and Admittance for Usage) [tabl_11_tiz.xls](#);
DUS Testing Regalement (4 types) [tabl_12_ooc.xls](#);
VCU Testing Regalement (7 types) [tabl_13_xp.xls](#);
Application Refusal Reasons (8 reasons) [tabl_14_pro.xls](#);
Reasons for End of Protection / Admittance (11 reasons) [tabl_15_kod.xls](#);
Entity Type (legal body, physical person) [tabl_16_yfl.xls](#);
List of the Countries (243 names) [tabl_18_str.xls](#).



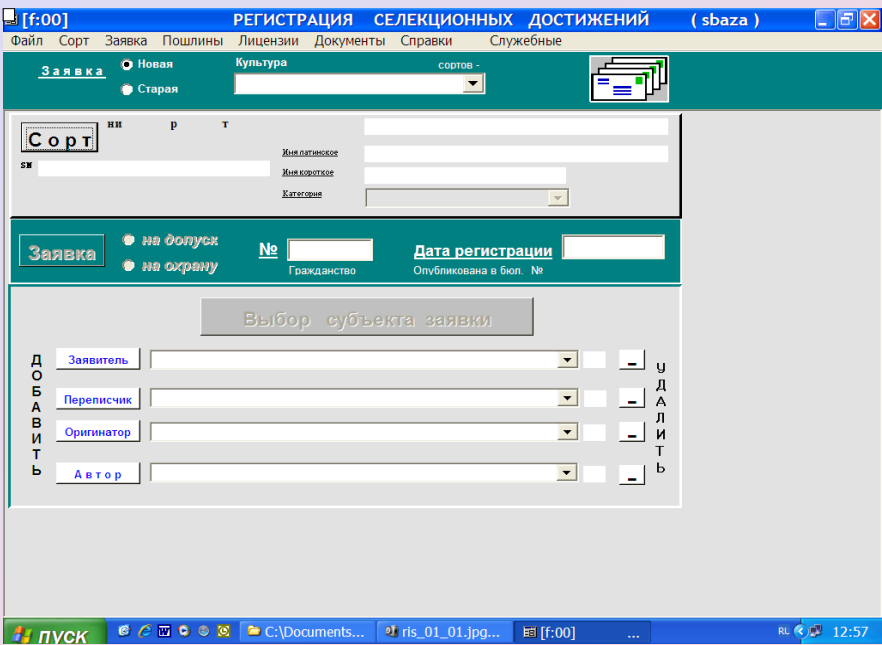
Subsystem “**REGISTRATION**” in the Form of Bundled Software
“**Zajvka**” Operates in Two Parallel Variants:

1. «SBAZA» (Button "New") is accessible **only to a group of persons** of the registration maintenance, carrying out input of the official information on a variety on the basis of the application and corresponding decisions accepted
2. «REPL» (Button "Old") is accessible **to groups of persons-specialists** on certain gene and species of plants with the right to input an additional information by test results.

Replication of the Databases is performed regularly
or when necessary.

Some of its functionality is presented on the following slides below.

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The screenshot shows the 'РЕГИСТРАЦИЯ СЕЛЕКЦИОННЫХ ДОСТИЖЕНИЙ (sbaza)' application window. The interface includes a menu bar with options like 'Файл', 'Сорт', 'Заявка', 'Пошлины', 'Лицензии', 'Документы', 'Справки', and 'Служебные'. Below the menu, there are radio buttons for 'Новая' and 'Старая' under the 'Заявка' section. A 'Сорт' field is visible with a dropdown menu. Further down, there are fields for '№' (with 'Гражданство' below it) and 'Дата регистрации' (with 'Опубликована в биол. №' below it). A section titled 'Выбор субъекта заявки' contains a table with columns for 'ДОБАВИТЬ' and 'УДАЛИТЬ'. The table has four rows: 'Заявитель', 'Перепищик', 'Оригинатор', and 'Автор', each with a dropdown menu and a checkbox. The Windows taskbar at the bottom shows the 'ПУСК' button, system tray icons, and the time '12:57'.

The software product “Zajvka” has the multilevel menu allowing to receive
inquiring answers on electronic or paper carriers, for example:

The screenshot shows a software application window titled "РЕГИСТРАЦИЯ СЕЛЕКЦИОННЫХ ДОСТИЖЕНИЙ (sbaza)". A "CENTURA Report Builder" window is open, displaying a patent document for the wheat variety "МОСКОВСКАЯ 39". The document includes the following information:

- № 0205
- Пшеница мягкая озимая
Triticum aestivum L.
- МОСКОВСКАЯ 39**
- Патентообладатель:
ГНУ МОСКОВСКИЙ НИИСХ 'НЕМЧИНОВКА'
ООО 'АГРОКОМПЛЕКС-Н'
ГНУ РЯЗАНСКИЙ НИИСХ
ГНУ ВЛАДИМИРСКИЙ НИИСХ
- Авторы -
БЕРЕУТОВА НАЗЛЯ СУЛТАНОВНА
КУТРОБА НА ЗИТНА НАСЛЫВНА

The background interface shows a sidebar with "Сорт" (Variety) set to "МОСКОВСКАЯ 39" and "Заявка" (Application) set to "на охр." (for protection). The taskbar at the bottom shows the date "30.12.1901" and time "13:30".

PROTECTION DOCUMENT (PATENT=PBR) for a CONCRETE VARIETY for PRINTING 13

The screenshot shows the same software application with a menu open over the "Сорт" (Variety) field. The menu options are:

- НИ, Реестр допущенных, Тираж
- Реестр охраняемых
- Признаки (для реестра)
- Описание для бюллетеня
- Описание для каталога
- Страна селекции
- Приоритет
- Список временно допущенных
- Определить культуру по имени сорта (или сел. номеру)
- Одобрённые имена сортов
- Служба имен
- Список сортов, ожидающих одобрения названия

A sub-menu for "Реестр охраняемых" is also visible, containing:

- Включение в реестр охраняемых
- Список охраняемых СД по выбранной культуре
- Список всех охраняемых СД
- Принудительный конец охраны
- Сорта с истекающим сроком охраны

The background interface shows the "Заявка" (Application) field set to "на охр." and the "Варианты" (Variants) field set to "1". The taskbar at the bottom shows the date "30.12.1901" and time "13:40".

VARIANTS of INQUIRIES under MARK "VARIETY" 14

LIST of MAIZE VARIETIES DECLARED for PROTECTION in 2006

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Условия запроса	???	
Заявлено в	2010	году
Заявлено с		годе
Приняты на испытания в		году
В испытаниях с		годе
Лет в испытаниях		бол
Включены в РЕЕСТР в		году
В РЕЕСТРЕ с		годе
РЕЕСТР по состоянию на		год
Лет в РЕЕСТРЕ		бол
Тираж с		годе
Тираж в		году
Тираж до		годе

Заявлено в 2010 г. (Россия + зарубежье)				
на охрану	Регистрация	Н	Р	Т
Кукуруза				
32 ИР	+ 16.11.2010	2011	/	/
72 ИР	+ 16.11.2010	2011	/	/
БЕЛКОРН 310 МВ	+ 14.12.2010	2011	/	/
БЕШЛАУ	+ 10.06.2010	2010	/	/
ДОМСКАЯ ВЫСОКОРОСПАЯ 2	+ 06.12.2010	2011	/	/
ИНСАЙД	+ 30.11.2010	2012	/	/
ИР 404	+ 16.11.2010	2011	/	/
КАРМФОНКС	21.10.2010	2010	/	/
КВЕСС	21.10.2010	2010	/	/
ЛИДЕР 165 СВ	+ 27.01.2010	2010	/	/
НС 205	18.11.2010	2010	/	/2011
РАДИАЛ	+ 30.11.2010	2012	/	/
РН 341 М	+ 10.06.2010	2010	/	/
РН 501	+ 15.12.2010	2010	/2011	/
РН 514	+ 15.12.2010	2010	/2011	/
РН 556	+ 15.12.2010	2010	/2011	/

INQUIRIES FORMATION MENU

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Electronic Database “REGISTRATION” contains Information on Plant Varieties / Animal Breeds for the Period from 1926 / 1993 up to Date and it is Consistently Enlarged.

Subsystems listed below operate collaterally with Subsystem “REGISTRATION” to perform specific targets:

- § Trail Design
- § DUS Testing
- § VCU Testing
- § Analysis and Decisions
- § Analytical Reviews
- § Management
- § Editions

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Along with Inquiring Answers for the Staff of Gossorcomissiya the Information System (IS) Allows to Prepare in Automatic Mode Different Information for Publishing in Printing Office the Following Editions:

- § State List of Protected Selection Achievements
- § State List of Selection Achievements Admitted for Usage
- § Descriptions of the Varieties Entered Firstly in the State List of Selection Achievements Admitted for Usage
- § Official Bulletin (10 releases annually)
- § Lists of the Varieties for the Set Categories

Additionally, every two months Information for Plant Variety Database UPOV-ROM (currently PLUTO) is prepared.

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**Thank You
for Your Attention**

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[End of Annex and of document]