



EAF/5/4

ORIGINAL: English

DATE: October 22, 2015

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

Geneva

MEETING ON THE DEVELOPMENT OF A PROTOTYPE ELECTRONIC FORM**Fifth Meeting
Geneva, March 25, 2015**

REPORT

*adopted by the Meeting on the Development of a Prototype Electronic Form**Disclaimer: this document does not represent UPOV policies or guidance*Welcome and opening

1. The fifth meeting on the development of a prototype electronic form ("EAF/5 meeting") was opened and chaired by Mr. Peter Button, Vice Secretary-General, UPOV, who welcomed the participants in Geneva and those who participated in the meeting by means of electronic conference.
2. The list of participants is reproduced in Annex I to this report.

Approval of the agenda

3. The meeting adopted the draft agenda as proposed in document EAF/5/1 Rev.

Overview of the prototype electronic form project

4. The meeting considered documents EAF/5/2 "Overview concerning the prototype electronic form project" and EAF/5/3 "Electronic form: user interface".
5. The participants received a presentation by the Office of the Union on the latest developments in relation to the prototype electronic form, as reproduced in Annex II to this document.
6. The participants were informed that the next phase of the development of the prototype will start in April 2015 and would focus on the data exchange functionalities (import/export facility) and on the on-line electronic form (user interface). Participating members would be invited to test the system in stages, through different interim releases, in order to obtain regular feedback. Comments would be taken into consideration for the development of subsequent releases in order to have a fully functioning prototype by August 2015, for a final test campaign in September 2015, before presentation at the sessions of the CAJ and the Consultative Committee in October 2015, as appropriate.

Two-letter code to represent UPOV

7. The meeting noted that the request to WIPO for a two-letter code "XU" to represent the name of UPOV had been accepted and included in the revised version of WIPO ST.3 "Recommended Standard on Two Letter Codes for the Representation of States, Other Entities and Intergovernmental Organizations".

Commonality of application forms and technical questionnaires

8. It was agreed that one of the main benefits of a UPOV electronic form would be to enable applicants to use data from one application in subsequent applications. The system would allow the reuse of data from a single application, with one authority, or to use a combined set of data for a variety for which applications had been made in several authorities. The table reproduced below, presented at the meeting, illustrates the percentage of elements used by all participating authorities or by at least two participating authorities¹:

Indicators	Application Form	Technical Questionnaire (Lettuce)
Percentage of Elements used by all participating authorities ¹	6%	1%
Percentage of Elements used by at least two participating authorities ¹	67%	18%

9. The tables below provide the information in common for the application form and the technical questionnaire for lettuce for the authorities that provided information as part of the Electronic application form project:

Application Form

	AU	BR	CA	JP	KR	NL	NZ	QZ	US	VN
AU		40%	39%	39%	17%	44%	24%	29%	34%	33%
BR	55%		48%	52%	31%	47%	31%	35%	43%	36%
CA	50%	51%		33%	29%	44%	37%	30%	34%	37%
JP	42%	56%	24%		19%	39%	22%	29%	24%	26%
KR	46%	59%	51%	46%		51%	31%	38%	41%	44%
NL	50%	39%	34%	41%	22%		31%	29%	21%	28%
NZ	54%	50%	37%	46%	26%	61%		52%	35%	37%
QZ	23%	20%	16%	21%	11%	42%	18%		12%	13%
US	48%	44%	33%	32%	22%	26%	22%	22%		25%
VN	53%	42%	41%	39%	27%	39%	27%	27%	28%	

Technical Questionnaire

	AU	BR	CA	JP	KR	NL	NZ	QZ	US	VN
AU		16%	8%	8%	3%	8%	12%	14%	5%	12%
BR	27%		16%	13%	9%	16%	18%	24%	11%	18%
CA	56%	78%		22%	22%	44%	11%	44%	33%	44%
JP	8%	67%	3%		6%	8%	18%	14%	3%	14%
KR	4%	9%	4%	9%		7%	7%	9%	9%	2%
NL	15%	18%	10%	15%	8%		35%	39%	5%	25%
NZ	25%	22%	11%	36%	8%	39%		42%	8%	75%
QZ	19%	20%	7%	19%	7%	53%	28%		6%	30%
US	2%	2%	1%	1%	2%	1%	1%	1%		1%
VN	24%	22%	11%	27%	3%	27%	73%	43%	8%	

¹ Participating members of the Union who provided their forms for the development of the prototype electronic form were: Australia; Brazil; Canada; European Union; Japan; Netherlands; New Zealand; Republic of Korea; United States of America and Viet Nam (see document EAF/3/3 "Report", paragraph 11).

Future actions and program

10. Participating members agreed the following program for development of the first version of the prototype electronic form:

<u>Test Campaign</u>	<u>Milestone Release (MR) Contents/ Functionalities to be tested</u>
Release 1	Login , Create new application with export application data as XML
Release 2	Create new application from existing XML data, Save, Submit new application, User feedback from MR1
Release 3	Dashboard, View Recommendations, Copy application, Edit Application, User feedback from MR2
Release 4	Remove Application, PDF View, User feedback from MR3
Final Release	Full prototype

11. It was agreed that the dates for the different releases would be communicated to the participating members at a later stage.

12. The meeting agreed the plan to make a presentation of version 1 of the prototype electronic application form to the CAJ and Consultative Committee at their sessions in October 2015 and to invite the CAJ and Consultative Committee to consider proposals for the ways forward for the project.

13. With regard to work after October 2015, subject to discussions at the CAJ and Consultative Committee, it was planned to extend the prototype to cover potato, rose and apple, to explore further harmonization and to consider proposals for a launch of the electronic form.

Experiences of participating members of the Union with electronic application systems

14. Mr. Jeffery Haynes, Deputy Commissioner, Plant Variety Protection Office, United States Department of Agriculture (USDA), made a presentation on "Update of U.S. ePVP System", a copy of which is attached as Annex III to this report.

Date of next meeting

15. It was agreed that the sixth meeting would be held in Geneva on October 26, 2015, at 18.00, with the possibility of participation by means of electronic conference.

16. The participants agreed that the following matters should be discussed at the sixth meeting:

- (a) review version 1 of the prototype electronic application form;
- (b) legal aspects, including payment modalities and authorization, filing/priority date, data confidentiality;
- (c) technical aspects, including payment authorization and user authentication, electronic signatures, high availability, interaction with existing systems (e.g. GENIE /WIPO accounts);
- (d) maintenance and support; and
- (e) the way forward for the project, including possible plans for implementation.

17. *This report was adopted by correspondence.*

[Annexes follow]

LIST OF PARTICIPANTS

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Yolanda HUERTA (Ms.), Legal Counsel

Jun KOIDE, Technical/Regional Officer (Asia)

Ben RIVOIRE, Technical/Regional Officer (Africa, Arab countries)

Leontino TAVEIRA, Technical/Regional Officer (Latin America, Caribbean countries)

Hend MADHOUR (Ms.), Database Modeler, Business Needs and Analyst

Wegahtabrhan SEREKE (Ms.), Intern

[Annex II follows]

Electronic Application System Project EAF/5 Meeting

Documents EAF/5/2 and EAF/5/3

1

OVERVIEW

- Background
- Report on latest developments
- Presentation of the mock-up
- Future program
- Matters for consideration
- Next steps

2

Prototype Electronic Application Form

<p><u>Participating UPOV members</u></p> <ul style="list-style-type: none"> • Argentina • Australia • Brazil • Canada • Colombia • Dominican Republic • Ecuador • European Union • France • Germany 	<p><u>Partners</u></p> <ul style="list-style-type: none"> • UPOV Office • WIPO • CPVO • ISF • CIOFORA
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Approx. 56% of the total applications within UPOV members (66 % including China)
See document C/48/7 "Plant Variety Protection Statistics for the Period 2009-2013"

• (China)

4

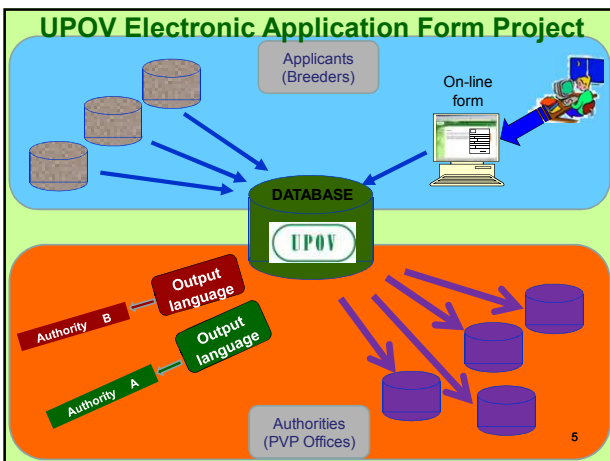
Prototype Electronic Application System

Participating UPOV members



4

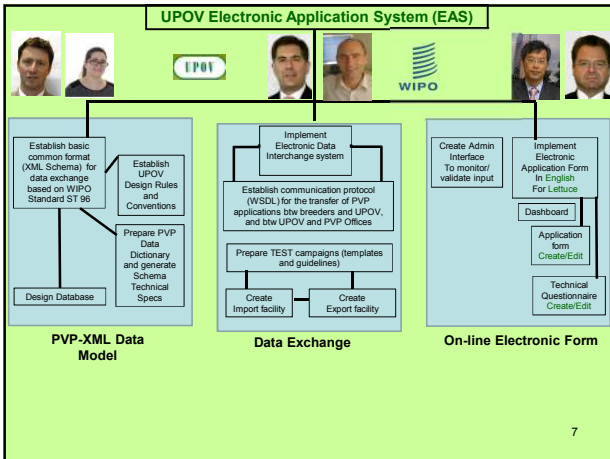
The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory



Electronic Form

Next steps
Agreement on the prototype V.1 (PV1)

Included (PV1)	NOT included in V.1 (PV2)
In English only	Different languages
For lettuce only (one crop)	Payment authorization and user authentication
Forms for 10 authorities: AU, NL, BR, NZ, QZ, JP, VN, US, KR, CA	Possibility to introduce or modify questions (update of the form)
Complete a blank form or a prefilled form based on existing PBR application data uploaded using an agreed format (PVP-XML)	Some technical and legal aspects
Store the input data in an associated database in order to allow its reuse in other applications	Confidentiality of data
Dashboard: Edit/ View options	View Application in Word/Excel format
Administration interface	High availability of the system
Export of XML information to selected authorities based on: 6 Office specific schemas: AU, NL, QZ, JP, US, KR and the Generic schema	Interaction with existing and external systems (GENIE DB, WIPO Accounts)



Target

Functioning Prototype by October 2015

=

Data can be transferred from participating breeders to participating PVP Offices according to the specific information that they require for an application in the requested format

OVERVIEW

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The diagram shows the UPOV Electronic Application System (EAS) XML Schema structure, including the PVP-XML Data Model and a sample XML snippet:

```

<?xml version="1.0" encoding="UTF-8" ?>
<application xmlns="http://www.wipo.int/standards/XMLSchema/ST96/ST96.xsd" >
  <applicant >
    <name >John Doe</name>
    <address >
      <street >123 Main St</street>
      <city >New York</city>
      <state >NY</state>
      <zip >10001</zip>
      <country >US</country>
    </address>
    <phone >212-555-1234</phone>
    <fax >212-555-5678</fax>
    <email >jdoe@company.com</email>
  </applicant>
  <product >
    <name >Lettuce</name>
    <variety >Iceberg</variety>
  </product>
  <office >
    <name >PVP Office</name>
    <address >
      <street >456 Office Blvd</street>
      <city >Geneva</city>
      <state >CH</state>
      <zip >1200</zip>
      <country >CH</country>
    </address>
  </office>
  <application >
    <number >123456789</number>
    <date >2015-10-01</date>
  </application>
</application>
  
```

PVP-XML Version 1 released (Version to be used for the Prototype)

Collaborative platform: UPOV_Wiki_EAS

The screenshot shows the UPOV_Wiki_EAS website interface, which serves as a collaborative platform for the project. It includes a navigation menu, a search bar, and a main content area with sections for 'PVP-XML Data Model', 'Data Exchange', and 'On-line Electronic Form'. A red arrow points to the 'PVP-XML Data Model' section.

& One-to-one meetings

Timetable for Development of PVP-XML V1.0

The Gantt chart illustrates the development timeline for PVP-XML V1.0, with key milestones and meetings:

- 10/13 EAF/4 meeting**
- 11/18 - 11/21 Informative Webex Meeting**
- 11/26 - 11/29 On-to-one meetings**
- 1/20 Interim Webex meeting: Presentation of a final proposal (PVP-XML D3)**
- 2/6 Release of PVP-XML V1.0**
- 3/25 EAF/5 meeting**

PVP-XML Version 1 released (Version to be used for the Prototype)

PVP-XML V1.0

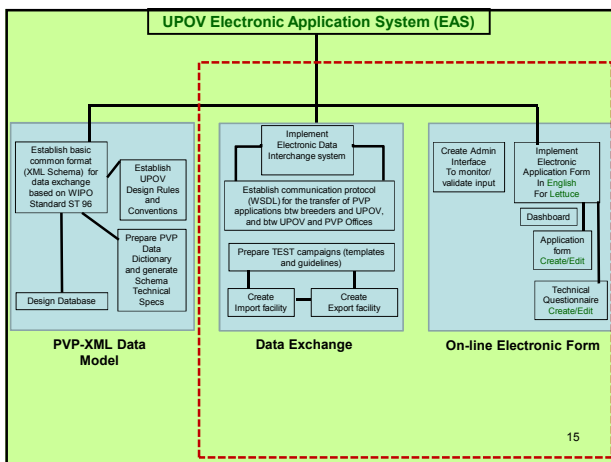
- XML Data Standard based on WIPO Standard ST.96
- Two Document Level schemas:
 - Application Form
 - Technical Questionnaire for **Lettuce**
- All common and participating authority specific questions

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PVP-XML V1.0 – Key achievements

- Well-defined structure to store application data
- Data placeholder for data exchange
- Harmonization at XML level
 - Question wording may differ from one authority to another

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On-going Work

- On-line Form
 - [User Interface specifications](#)
 - Posted on the wiki space
 - Comments are welcome by **April 3rd, 2015**
 - [Mockup](#)
- Technical Architecture
- Tentative Timelines



16

OVERVIEW

- Background
- Report on latest developments
- Presentation of the mock-up
- Future program
- Matters for consideration
- Next steps

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Presentation of mock-up form

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Login

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Login- Error

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Dashboard

International Reference Number	Date of Submission	Crop	Variety Proposed/Designation	Variety Breeder's Reference	Authority	Status	Action
XXL_2020140000001	4 Nov 2014	Letbruce	Sau 0	75-103 RC	Australia	Submitted	View
XXL_2020140000002	4 Nov 2014	Letbruce	Gabée	42-179 RC	Netherlands	Submitted	View
XXL_2020140000002	NA	Letbruce	Gabée	42-179 RC	Australia	Pending	Delete View Edit

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Start a New Application- Settings

22

Start a New Application Based on Existing Data

23

Fill in Application

24

Fill in Application- Applicant/Representative/Breeder

1.1 APPLICANT(S)

Name of Applicant*
Street Address**
Postal Code**
State**
Country (if not Australia)*
Contact Name
Telephone (include area code)
Mobile (include area code)
E-mail address**
ACCOUNTS

1.4 BREEDER(S)

Name of original breeder(s) who conducted or checked the work*
Employer (if applicable)
Address**
State**
Postal Code**
Country (if not Australia)*
Breeder is not the applicant - check where the ownership rights transferred to the applicant?
Breeder is not the applicant - check where the ownership rights transferred to the applicant?
Why not?
Are you under obligation to notify the commissioner of the original person about your intention to submit an application?
Are you required under any agreement with your current employer/leasing agency, to inform them of your intention to acquire rights to this variety?

1.3 REPRESENTATIVE(S) AGENT(S)

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Fill in Application- Other Applications

2.2 OTHER APPLICATIONS

+ Add

Country filed	Date of Lodgement dd/mm/yyyy	Application No.	Current Status	Variety Name	Priority Claimed?
NL	27 / 02 / 2014	556764654	A	VARIETYX	<input checked="" type="checkbox"/>
OZ	03 / 04 / 2014	321445456	A	VARIETYX	<input checked="" type="checkbox"/>

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Fill in Application- Variety Sale

2.3 VARIETY SALE

Has the variety been sold in Australia with the breeder's consent?

Date of first sale	Variety Name
02/25/2000	VARIETYX

Has the variety been sold overseas with the breeder's consent?

Date of first sale	Variety Name	Country
02/26/2006	VARIETYX	OZ

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Fill in Application- Attachments

Section 4- Attachments

Have you included the following?

- One completed original Part 1 Application form (PBR00001) for Plant Breeder's Rights
- A copy of the transfer of ownership documentation (e.g. assignment) from the breeder to the applicant, if the applicant is not the original breeder
- A completed Authorisation of Agent form (PBR00004) if you are applying on behalf of the applicant
- A completed Nomination of a Qualified Person form (PBR00005)
- Photograph or photographs showing the distinguishing characteristics of the new variety

Business Rule:
In general, only one document could be attached per document type. However, it is possible to upload more than one photographs. In this case, ZIP extension is allowed.

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Fill in Application- Technical Questionnaire: Variety Comparison

Comparison with most similar variety of common knowledge

+ Add

Name of comparator the most similar V* X	Characteristic(s) in which the candidate variety differs from the comparator (Office code + Identifier - Characteristic)	Describe the expression of the characteristics for the comparator	Describe the expression of the characteristics for the candidate
Scale	XU 1 Seed_colour	3_black_kagraner_sommer	
Scale	XU 11 Head_size	3_small_bushier_galls	
Scale	XU 19 Leaf_intensity_of_color_of_outside	3_very_dark	
Scale	XU 31 Time_of_beginning_of_bolting_in	3_very_late_wilka_khoun	

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Issue ID-25

- In order to describe how the candidate variety differs from the variety which, to the best of knowledge, is most similar, the system proposes to the breeder the possible expression of characteristics based on the chosen characteristics.
 - The proposed expressions of characteristics have the following format:
 - [note] [characteristic value] [example varieties].
 - For example, 3_black_kagraner sommer.
- 30

Issue ID-25 (Proposal)

- The example varieties do change over time much more frequently than the values of the characteristics.
 - ➔ The example varieties should not be in the drop down (enumeration list).
i.e. 3_black will be displayed instead of 3_black_kagraner sommer

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Fill-in Application- Declaration and Signature

Declaration and Signature

Application for PBR, declaration that all information is true and correct.

I (we):
- apply for Plant Breeder's Rights to the variety described in this application and - authorize the Plant Breeder's Rights Office, for the purpose of examination, to exchange with the Plant Breeder's Rights Authorities of other countries all necessary information and material related to the variety, provided that the rights of the Applicant are safeguarded, and
- agree to the release of propagative material prior to the granting of PBR if required for comparative testing or scientific purposes, providing the material is used for no other purpose and all material relating to the variety is returned when the trials are complete, and
- declare that the information given in all parts of and attachments to this application is true and correct.

Declaration of Agreement

I am the (Applicant) or am a signatory thereof and declare that all parties involved have agreed to the terms and conditions outlined above.

Position in Company/Department
Name of Company/Department
Date 2015/03/12

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Form Actions

Export Save Submit Cancel

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Fill in Application- Form Validation

1.1 APPLICANT(S)

Name of Applicant *
Applicant's name is mandatory

Street Address **

P.O. Box 4995

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Fill in Application- Denomination

2.1 DENOMINATION

Proposed name for the variety

Synonym: a synonym is an alternative name for a variety. Please note that once accepted, the synonym along with the name is also protected. A synonym must also conform with section 27 of the PBR Act

Breeder's code XX-495742

Trade name

Other name

Business Rule:

A same breeder's reference could not be used for the same authority and the same crop

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Copy an Application- Settings

EPPO - Electronic Application System

New Application Settings

Plant Category
Seedling System
Submit Date

Submit Date Reference

Use this Application Use this

36

Copy an Application- Recommendations

International Reference Number	Crop	Variety Proposed Distribution	Variety Breeder's Reference	Authority	Recurrence	Action
IRL_1001488001	Lettuce	Seed G	75 113 912	Germany	20%	Copy
IRL_1001488001	Lettuce	Seed G	75 113 912	Australia	20%	Copy
IRL_1001488001	Lettuce	Seed G	75 113 912	Netherlands	20%	Copy
IRL_1001488001	Lettuce	Other	42 113 912	Netherlands	20%	Copy

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Copy an Application- Same Authority Same Variety

- The breeder could not apply for the same variety and the same authority.
- They can choose to keep the same IRN/Breeder's reference (variety identifier) and remove the original application data.

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Copy an Application- Different Authorities Same Variety

- If the same breeder's reference is kept, the same IRN is used.
- The breeder can copy TQ data because he is processing the same variety.

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Copy an Application- Different varieties

- The new application should have a different IRN (see Matters for consideration)

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OVERVIEW

- Background
- Report on latest developments
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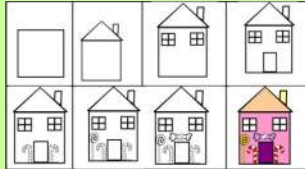
41

Target

Functioning Prototype by October 2015
=
Data can be transferred from participating breeders to participating PVP Offices according to the specific information that they require for an application in the requested format

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Development of a functioning prototype (PV1)



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Milestone Release Contents – Tentative

- **Milestone Release 1** - Login , Create new application with export application data as XML.
- **Milestone Release 2** – Create new application from existing XML data, Save , Submit new application , User feedback from MR1.
- **Milestone Release 3** – Dashboard, Copy application I, User feedback from MR2.
- **Milestone Release 4** – Copy application II, Edit Application, Remove Application, PDF View, User feedback from MR3
- **Deployment** – Single server deployment for PV1 purpose with consideration of hosting solution in cloud.

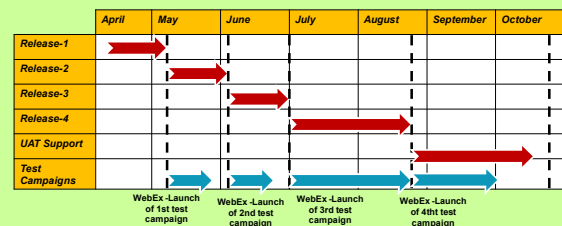


Sequence of work/ Participating members

- Participants will have **2 weeks** to comment on each **Milestone releases** through **4 different Test campaigns**
- Comments will be taken into consideration and amendments will be made to the subsequent Milestone release.

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Tentative Timelines



EAF/6

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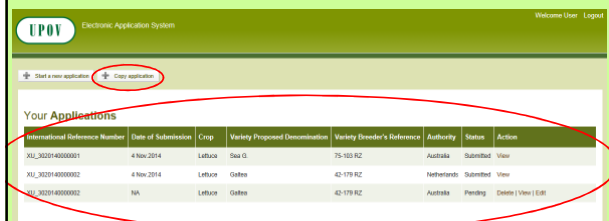
Test campaign - Release 1 (May 2015)

A username and password will be provided to each participant in due course.

Functionality	Breeder	PVP Office
Login	1.Enter Credentials	1.Enter Credentials
Create New Application from scratch	2. Click on «Start a new application» 3. Select an authority 4.Select English as language and Lactuca Sativa L. as crop 5. Fill in the form 6.Click on «Export» button	2. Click on «Start a new application» 3. Select the corresponding authority 4.Select English as language and Lactuca Sativa L. as crop 5. Validate if the questions are correctly displayed: a. Wording b. Constraints (Mandatory/Optional/Other)
Export as XML	7. Validate that all entered information is stored (data completeness) correctly (in conformity with the agreed data model)	

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Home



Out of scope
Release 1

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Start a New Application- Settings

EPV Electronic Application System

Settings

Select Language: en

Select Crop/Species: Lactuca sativa L.

Select Authority: AU

Submitter's Own Reference: [Empty]

Import Existing Data (XML, ZIP): [Browse] **Out of scope of Release 1**

[Start] [Cancel]

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Mapping files- Benefits

- Generate the forms using the adequate question wording
- Transform the input data to the adequate XML format (PVP-XML components)
- Identify the reusable application data to be copied to another application
 - Share of the same tag name
- Propose recommendations on best alternatives for Copy

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Need of PVP Offices' input- Release 1

- The mapping excel files:
 - Mandatory/Optional questions or any other rules



Authority	Status
AU	✓
BR	✓
CA	✗
JP	✓
KR	✓
NL	✓
NZ	✗
QZ	✓
US	✗
VN	✓

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Test campaign - Release 2 (June 2015)

Functionality	Breeder	PVP Office
Create new application from existing XML data	<ol style="list-style-type: none"> 1. Upload existing XML data 2. Select an authority 3. Select English as language and Lactuca Sativa L. as crop 4. Validate that the uploaded XML data and attachments (if any) are correctly displayed in the form 	
Export as XML	<ol style="list-style-type: none"> 5. Edit/Fill in the form 6. Click on «Export» button 7. Validate that all entered information is stored (data completeness) correctly (in conformity with the agreed data model) 	

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Test campaign - Release 2 (June 2015) – Cont'd

Functionality	Breeder	PVP Office
Save to DB	<ol style="list-style-type: none"> 8. Click on «Save» button 9. Validate that the business rules are correctly applied 	
Submit	<ol style="list-style-type: none"> 10. Click on «Submit» button 11. Validate that structural and business rules are correctly applied 	<ol style="list-style-type: none"> 1. Receive Email 2. Validate that the received documents (XML and attachments) contains all the required information and does not contain extra information (e.g. answers to other office specific questions)
Release 1 Feedback	<ol style="list-style-type: none"> 12. Validate that all Release 1 bugs are fixed 	<ol style="list-style-type: none"> 3. Validate that all Release 1 bugs are fixed

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Need of PVP Offices' input- Release 2

- Email address to be used to send submitted data



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Test campaign - Release 3 (July 2015)

Functionality	Breeder	PVP Office
Dashboard (My Applications)	1. Validate that all information about saved and submitted applications are correctly displayed.	1. Validate that all information about submitted applications are correctly provided.
Copy Application I	2. Click on «Copy Application» 3. Select an authority 4. Select English as language 5. Click on «View Recommendations» 6. Validate the list of copiable applications with the right reusability percentage. 7. Validate the information stored in the generic instance	
Release 2 Feedback	8. Validate that all Release 2 bugs are fixed	2. Validate that all Release 2 bugs are fixed

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Dashboard

Out of scope
Release 3

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Copy an Application-Recommendations

Out of scope
Release 3

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Test campaign - Release 4 (August/September 2015)

Functionality	Breeder	PVP Office
View Application	1. Click on View 2. Validate that the PDF view contains all inserted information in the correct form template	
Delete Application	3. Click on Delete Application 4. Validate that the dashboard does not display the removed application data.	
Edit Application	5. Click on «Edit» 6. Validate that the form contains all inserted information in the correct template	

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Test campaign - Release 4 (August/September 2015)- Cont'd

Functionality	Breeder	PVP Office
Copy Application II	7. Click on «Copy Application» 8. Select authority 9. Select English as language 10. Click on «View Recommendations» 11. Click on «Copy» 12. Validate the data is copied into the correct question for each case: A. Same authority/same variety B. Different authorities/same variety • Generic instance • Simple application data C. Different varieties	
Feedback Release 3	13. Validate that all Release 3 bugs are fixed	1. Validate that all Release 3 bugs are fixed

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Dashboard

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Copy an Application-Recommendations

International Reference Number	Crop	Variety Proposed	Distribution	Variety Breeder's Reference	Authority	Reusability	Action
ILL_20214888001	Lettuce	Sea G	75 101 92	Genetic	US	50%	Done
ILL_20214888001	Lettuce	Sea G	75 101 92	Australia	US	50%	Done
ILL_20214888001	Lettuce	Sea G	75 101 92	Netherlands	US	50%	Done
ILL_20214888001	Lettuce	Other	42 119 92	Netherlands	US	50%	Done

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OVERVIEW

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Seeking for Harmonization ?



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Mapping Files

- Map form questions to PVP-XML elements
- Revised by participating members during the one-to-one meeting
- Consolidated into one global sheet

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Harmonization Results

Indicators	Application Form	Technical Questionnaire (Lettuce)
Percentage of Elements used by all countries/Authorities	6%	1%
Percentage of Elements used by at least two countries/Authorities	67%	18%

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Reusability Percentage-Application Form

	AU	BR	CA	JP	KR	NL	NZ	OZ	US	VN
AU	100%	40%	39%	39%	17%	44%	24%	29%	34%	33%
BR	55%	100%	48%	52%	31%	47%	31%	35%	43%	36%
CA	50%	51%	100%	33%	29%	44%	37%	30%	34%	37%
JP	42%	56%	24%	100%	19%	39%	22%	29%	24%	26%
KR	46%	59%	51%	46%	100%	51%	31%	38%	41%	44%
NL	50%	39%	34%	41%	22%	100%	31%	29%	21%	28%
NZ	54%	50%	37%	46%	26%	61%	100%	52%	35%	37%
OZ	23%	20%	16%	21%	11%	42%	18%	100%	12%	13%
US	48%	44%	33%	32%	22%	26%	22%	22%	100%	25%
VN	53%	42%	41%	39%	27%	39%	27%	27%	28%	100%

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Reusability Percentage- Technical Questionnaire

	AU	BR	CA	JP	KR	NL	NZ	OZ	US	VN
AU	100%	16%	8%	8%	2%	8%	12%	14%	5%	12%
BR	27%	100%	16%	13%	9%	16%	18%	24%	11%	18%
CA	56%	78%	100%	22%	22%	44%	11%	44%	33%	44%
JP	8%	67%	2%	100%	6%	8%	18%	14%	3%	14%
KR	4%	9%	4%	9%	100%	7%	7%	9%	9%	2%
NL	15%	18%	10%	15%	8%	100%	35%	39%	5%	25%
NZ	25%	22%	11%	36%	8%	39%	100%	42%	8%	75%
OZ	19%	20%	7%	19%	7%	53%	28%	100%	6%	30%
US	2%	2%	1%	1%	2%	1%	1%	1%	100%	1%
VN	24%	22%	13%	27%	3%	27%	73%	43%	8%	100%

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Two-letter code to represent UPOV

XU

within WIPO ST.3

"Recommended Standard on TwoLetter Codes for the Representation of States, Other Entities and Intergovernmental Organizations"

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International Reference Number (IRN)

- IRN:
 - It identifies application data provided via UPOV electronic form
 - Based on WIPO Standard ST.13
 - The first two digits : Office Code (WIPO ST.3 Code) -> XU for UPOV
 - Unique per variety
 - For transparency, TQ data could only be copied when the same IRN is used.

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International Reference Number (IRN) and unique Breeder's reference

- In general, one variety has the same breeder's reference for applications with different PVP offices
- IRN is unique per breeder's reference

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Other matters for clarification

Data confidentiality and Copy Function- Issue ID-26

- Description:
 - Confidential data should be stored in a highly secured database
 - Confidential data may differ from one authority to another.
 - When a confidential data is copied to an application with less data protection restriction, what is the level of data confidentiality?



IssueID-26 (Proposal)

- We propose to split the data into two categories: Confidential and non confidential data.
- In order to improve the performance related to the access to non confidential data, in PV2, there will be two databases with different levels of security.
- Only data which is non confidential in all authorities can be stored in a non confidential database.

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Issue ID-27

- The way the date is displayed differs from one country to another.
- Alternative 1:
 - Based on the chosen authority, the date will be displayed differently.
- Alternative 2: Harmonize the way the date is displayed
 - Proposal: The date should be display as : “DD/MM/YYYY”

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Non Functional Requirements

- Do you have an operational online system?
- If yes, how many users are using your online system? Per year, per month, per day?
- How many applications do you receive? Daily, monthly, yearly?
- Have you set a degraded mode operation? What are the specified constraints? Does this mode depend on legal constraints?



PV2 Functional Requirements

- In which languages, the submitted application forms are acceptable?
- In PV1, the PVP office is receiving the submitted application through email. Is it acceptable to keep this feature in PV2?
- Is the mobile version required for the operational system?
- Should bulk upload (upload multiple forms at the same time) be considered for PV2?
- Should delegation functionality be considered for PV2?



Survey on the Wiki






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OVERVIEW

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Next steps for the EAS project

- First step on lettuce 
- Next steps on other crops (see document CAJ/68/8 “Electronic application systems”)
 - Crops/species for the prototype would be:
 - Lettuce (*Lactuca sativa* L.);
 - Potato (*Solanum tuberosum* L.);
 - Rose (*Rosa* L.) 
 - Apple (*Malus domestica* Borkh.) 
- The Office will request Application forms for selected crops

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Next steps for the EAS project

- Legal aspects:
 - Payment modalities
 - Filing/Priority Date
 - Data Confidentiality
- Technical aspects:
 - Payment authorization and user authentication
 - Electronic signature
 - High Availability
 - Interaction with external systems: Genie DB/WIPO Accounts
 - Maintenance and support

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Tentative Timelines

	April	May	June	July	August	September	October
Release-1	→						
Release-2		→					
Release-3			→				
Release-4				→			
UAT Support					→		
Test Campaigns	→		→		→		




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Electronic Application System Project EAF/5 Meeting

Documents EAF/5/2 and EAF/5/3

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[Annex III follows]



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Creating Opportunities for American Farmers and Businesses

Update of U.S. ePVP System

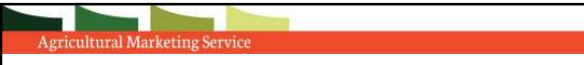

March 2015



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Current ePVP Status

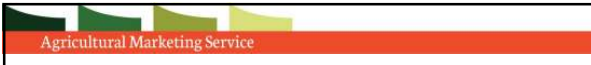

- The ePVP System version is 1.7.2015, which is the last deployment date. We are still using a beta version, but this will likely be the version that is used for the official launch.
- The ePVP Team, including all Examiners and Information Technology Specialists are:
 - Continuing to test the software
 - Developing user training videos to be posted to YouTube
 - Developing user manuals – quick reference guide
 - Providing recommendations
 - Ensuring the system is fully capable for examining new varieties



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ePVP Next Steps

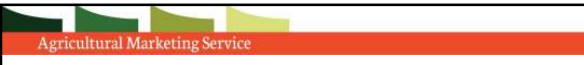

- Feedback was provided to developer and many bugs were fixed with the new deployment.
- The developer deployed a new version of the software in January 2015, as indicated before.
- Additional software testing is underway by internal testers.
- STAR Database corrections are being made simultaneously



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ePVP Next Steps

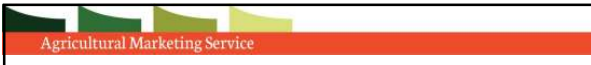

- The PVPO is working with the Agency's Information Technology Service group to further develop the roll-out plan of the ePVP by May 1, 2015.
- The ePVP System will have a forward facing, web-based system for external users - using Microsoft (MS) .NET Platform software.
- Internal user system is MS Customer Service Management software with relational database tables.
- The system will: accept applications, process payments and allow full examination of applications for new varieties.



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ePVP Development Plan


- A new task order/contract is being developed to add additional features that were not covered under the initial contract. This task order will also migrate more crop data from STAR to MS CRM.
- The ePVP system is still scheduled for release to the public on May 1, 2015 with a limited number of crops available.
- Additional crops will be added as they are corrected in STAR to fit the format of MS CRM.



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Task Order Contract Details


- Continue development of the ePVP System until all features are available including:
 - Complete data migration from STAR
 - Data entry into the ePVP System for all crops
 - Upload of multiple applications electronically
 - Status updates for applicants
 - Other features added such as request for information, copies of certificates, etc.
 - Ensure full examination from the ePVP including distinctness searches for new data migrated from STAR



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Phase III Contract Details


- Last Phase of the ePVP System Project
- Includes support and maintenance
- Private contractor to perform the support and maintenance for 6-12 months
- Before end of contract, transition over to the Agency Information Technology Service for continued support and maintenance
- MS .NET and CRM Software fully supported by the Agency ITS



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Challenges

- Allow staff time to assess current systems and new system; and to focus on the project.
- Allow more time for the migration of legacy data to the new system. STAR migration to MS CRM has been a very big challenge.
- Information Technology resources are critical, must ensure trained staff are available at all times
- Meeting notes and milestone dates are critical. Even with definitive dates expect delays due to programming, Internet connection problems, compatibility issues, etc.
- Also stress a standardized approach for documenting feedback and fixes in order to test the fixes.
- Major challenge has been continuing full examination during the development of the new system.



[End of Annex III and of document]