

**Meeting on the development of a prototype electronic form**
**UPOV/EAF/9/3**
**Ninth Meeting  
Geneva, April 7, 2017**
**Original:** English  
**Date:** October 9, 2017

**REPORT**
*adopted by the Meeting on the development of an electronic application form*
*Disclaimer: this document does not represent UPOV policies or guidance*
**WELCOME AND OPENING**

1. The ninth meeting on the development of a prototype electronic form (EAF/9 meeting) was opened and chaired by Mr. Peter Button, Vice Secretary-General of 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 UPOV/EAF/9/1 Rev.

**DEVELOPMENTS CONCERNING THE ELECTRONIC APPLICATION FORM PROJECT**

4. The meeting considered document [UPOV/EAF/9/2 Corr.2](#) "Developments concerning the Electronic Application Form" and received a presentation by the Office of the Union on the latest developments in relation to the prototype electronic form, a copy of which is reproduced in Annex II to this document.
5. The participants agreed with the following proposed developments:

**New versions of the EAF**

6. The current version of the EAF was Version 1.0. It was foreseen that the next version (Version 1.1) of the EAF would be released in July 2017. The subsequent version (Version 2.0) was anticipated to be released in 2018.

**Version 1.1**
*Participating UPOV members*

7. The participants noted that the following additional UPOV members had provided the necessary information and had expressed their intention to participate in Version 1.1, for the indicated crops:

Authority		GLYCI_MAX Soya Bean	LACTU_SAT Lettuce	MALUS_DOM Apple fruit varieties	ROSAA Rose	SOLAN_TUB Potato	Languages accepted for submission
China	CN		✓		✓		Chinese
Colombia	CO				✓		Spanish
Paraguay	PY	✓					Spanish
Republic of Moldova	MD	✓	✓	✓	✓	✓	Romanian
United States of America	US	✓*	✓*			✓	English
Turkey	TR	✓	✓	✓	✓	✓	Turkish

\* already in EAF Version 1.0

### *Languages*

8. The participants noted that preparations were being made for the introduction of Chinese (China), Romanian (Republic of Moldova) and Turkish (Turkey), in Version 1.1, subject to the necessary information being provided by the members of the Union concerned.

### *Style sheet for the application form*

9. The participants noted that, where requested by PVP Offices, it would be possible to have a customized format for the application form to be received by the PVP Office (e.g. addition of national coding reference to the form, PVP Office logo) if the relevant information was provided according to a specified format.

### *Version 2.0*

### *Participating UPOV members*

10. The participants noted that only authorities participating in PV2 or in Version 1.1 (African Intellectual Property Organization (OAPI), Argentina, Australia, Bolivia (Plurinational State of), Brazil, Chile, China, Canada, Colombia, Czech Republic, European Union, France, Georgia, Japan, Kenya, Mexico, Netherlands, New Zealand, Norway, Paraguay, Republic of Korea, Republic of Moldova, South Africa, Switzerland, Tunisia, Turkey, United States of America, Uruguay and Viet Nam) would be able to participate in Version 2.0. New participating members of the Union would be included after the release of Version 2.0.

### Crops/species

11. The participants noted that it had previously been agreed that it would be beneficial for the system to cover as many crops/ species as soon as possible. Therefore, at the EAF/8 meeting, the Office of the Union was requested to develop an approach to add new crops more rapidly and to increase the number of crops included in the EAF (see document [UPOV/EAF/8/3](#) "Report", paragraph 6(j)).

12. It was noted that the main part of the application form was the same for all crops for a particular authority. However, the crop-specific technical information, typically provided in the technical questionnaire (TQ), differed between crops. Therefore, the challenge in adding new crops was to address the crop-specific part of the application.

13. In order to be able to cover as many crops/ species as rapidly as possible, it was proposed to develop three approaches. It would be a matter for each participating member of the Union to decide which of the approaches to apply on a crop-by-crop basis.

### *UPOV Technical Questionnaire (Approach 1)*

14. The TQ in the EAF would need to be identical to the TQ in the adopted UPOV Test Guidelines (TG). The web-based TG Template would be the source of the TG TQ information; therefore, the introduction of crops/species under this approach would require the relevant TGs to be included in the web-based TG Template.

15. For crops/species for which there is no adopted UPOV TG, the TQ in the EAF would be based on the structure of the TQ in document TGP/7 "Development of Test Guidelines". This would allow users to provide information, in a standardized way, for the following:

- Breeding history: breeding scheme; method of propagating the variety;
- TQ characteristics : free text characteristics and states of expression;
- Similar varieties and differences from those varieties;
- Additional information.

#### *Customized characteristics (Approach 2)*

16. The TQ in the EAF would be the same for all crops (non-crop specific) except for "characteristics of the variety" (Section 5 of the UPOV TQ or equivalent) and "similar varieties and differences from these varieties" (Section 6 of the UPOV TQ or equivalent)). The characteristics in the TQ in the EAF would be:

- UPOV TG characteristics;
- Authority specific characteristics
- Free text information.

#### *Customized TQ (Approach 3)*

17. The TQ in the EAF would contain crop-specific sections other than those specified in Approach 2.

18. The table below summarizes the approaches that would currently cover the participating members in the EAF Version 1.0:

Authority (for existing crops/species)		Approach 1	Approach 2	Approach 3
Argentina	AR		✓	
Australia	AU		✓	
Chile	CL	✓		
France	FR			✓
Kenya	KE	✓		
Netherlands	NL			✓
New Zealand	NZ			✓
Norway	NO			✓
Switzerland	CH			✓
Tunisia	TN	✓		
United States of America	US		✓	
Uruguay	UY		✓	
Total		12	3	4
				5

19. The participants noted that on the basis that resources would be allocated equally to the three approaches, it would be possible to cover all crops/species for Approaches 1 and 2 by the end of 2018. In the case of Approach 3, the process would continue indefinitely according to an agreed prioritization.

2018	2019	2020	...
Approach 1* complete			
Approach 2* complete			
Approach 3			...

\* depending on the number of Test Guidelines adopted and included in the Test Guidelines Template Database

20. For all approaches, the order of priority for addition of crops/species would be decided in consultation with the EAF participants.

## Functionalities

### *Information for official variety list purposes*

21. The participants agreed that, with regard to information for official variety list purposes, the requirements would be discussed individually with each of the participating members of the Union that had expressed a wish to include such information. In that regard, the participating member of the Union may also be invited to consider providing resources, in order to implement such requirements.

### *Payment*

22. The participants noted that additional payment methods may be introduced in Version 2.0, e.g. current account or e-wallet. It was proposed to investigate those different possibilities and to report on their possible development at a subsequent EAF meeting.

### *Link to information available in the GENIE Database*

23. The participants noted the proposal to make a link in the EAF website to the information available in GENIE, in particular with regard to experience and cooperation in DUS examination.

## Communication

24. The participants noted that:

(a) at the launch of the EAF, the Office of the Union had informed breeders' organizations and PVP Offices on the availability of the system (see Circulars E-17/007, E-17/008 and E-17/009), also inviting those parties to inform all their relevant stakeholders;

(b) a series of communication materials (e.g. posters and flyers) would be developed for UPOV members and breeders' organizations;

(c) meetings (including online sessions & webinars) would be organized for individual applicants or groups of applicants upon request, and training material (e.g. PowerPoint presentation, tutorials, e-learning) would be developed.

25. The participants noted the proposal made by some participating PVP Offices in the EAF to add a link to the EAF on their own websites. It further agreed on the importance of PVP Offices to diffuse the information on the availability of the EAF tool to potential users (e.g. breeders, representatives, agents, etc.).

## Support

26. The participants noted that a program of user-support and routine maintenance provisions for PVP Offices and users would be developed in consultation with EAF meetings, according to the needs expressed and resources available within the Office of the Union.

## Name

27. The EAF/9 meeting considered the name "PRISMA" (Plant variety data Routing Information System using Multilingual Application forms) as a new name for the EAF and the following logo, presented at the meeting:



28. The EAF/9 meeting agreed that the name "PRISMA" and the proposed logo should be proposed for approval at the fifty-first ordinary session of the Council, to be held in Geneva on October 26, 2017.

## LATEST DEVELOPMENTS

29. The Office of the Union reported that Ecuador had indicated to the Office of the Union its interest to participate in the EAF.

30. The Office of the Union also explained that members of the Union that had not participated in PV2 or Version 1.1 would be able to be included after the release of Version 2.0. Such members of the Union would need to provide their forms for the selected crops (application form and technical questionnaire) in a UPOV language and, if appropriate, to provide translations of the questions of the application forms and technical questionnaires of the other languages used in the EAF. The timetable for addition of new members of the Union would be subject to available resources and would vary according to the content of the application forms and technical questionnaires.

## DATE OF NEXT MEETING

31. The next meeting of the EAF (EAF/10 meeting) was agreed to be held in Geneva on the afternoon of Friday October 27, 2017.

32. *This report was adopted by correspondence.*

[Annexes follow]

ANNEX I

LISTE DES PARTICIPANTS / LIST OF PARTICIPANTS /  
TEILNEHMERLISTE / LISTA DE PARTICIPANTES

(dans l'ordre alphabétique des noms français des membres /  
in the alphabetical order of the French names of the Members /  
in alphabetischer Reihenfolge der französischen Namen der Mitglieder /  
por orden alfabético de los nombres en francés de los miembros)

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Gaëtan BLUNIER, Manager, ERP Functional Team, Management and Administration Applications Section

V. BUREAU / OFFICER / VORSITZ / OFICINA

Peter BUTTON, Chair

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Yolanda HUERTA (Ms.), Legal Counsel

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

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

[L'annexe II suit/  
Annex II follows/  
Anlage II folgt/  
Sigue el Anexo II]

# Electronic Application Form

Document EAF/9/2 Corr.  
“Developments concerning the  
electronic application form”

Geneva  
April 7, 2017



International Union for the Protection of New Varieties of Plants

## PREVIEW

- Background
- Developments since EAF/8 (October 2016)
- Launch of EAF Version 1.0 - Status
- Proposed future developments
  - Version 1.1 (June 2017)
  - Version 2.0 (January 2018)
- Communication
- Support
- Name
- Next steps:
  - Participation in the launch of EAF
  - Tentative Timeline

## Background

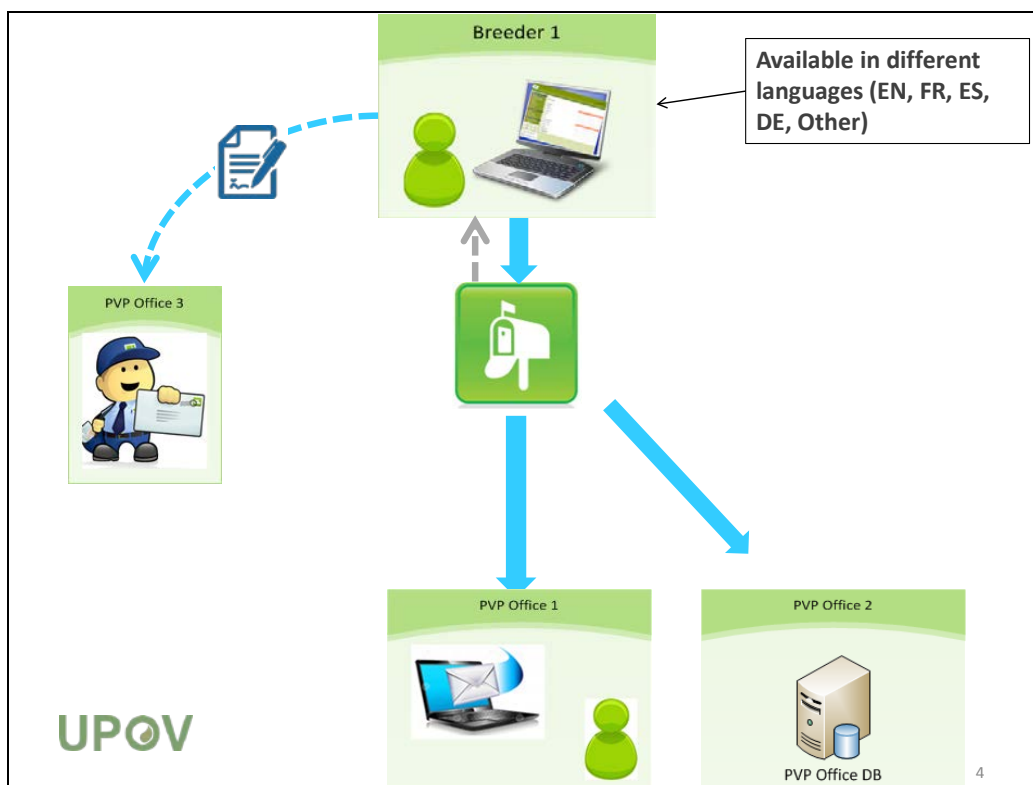
The original description of the **aim of the project** on a prototype electronic form was to develop a **multilingual, electronic form containing questions relevant for plant breeders' rights (PBRs) applications**.

The aim of the prototype would be to develop an **electronic form covering all relevant information required for a PBR application (including Technical Questionnaire)** in the members of the Union concerned and with questions translated in the relevant languages for the members of the Union concerned.

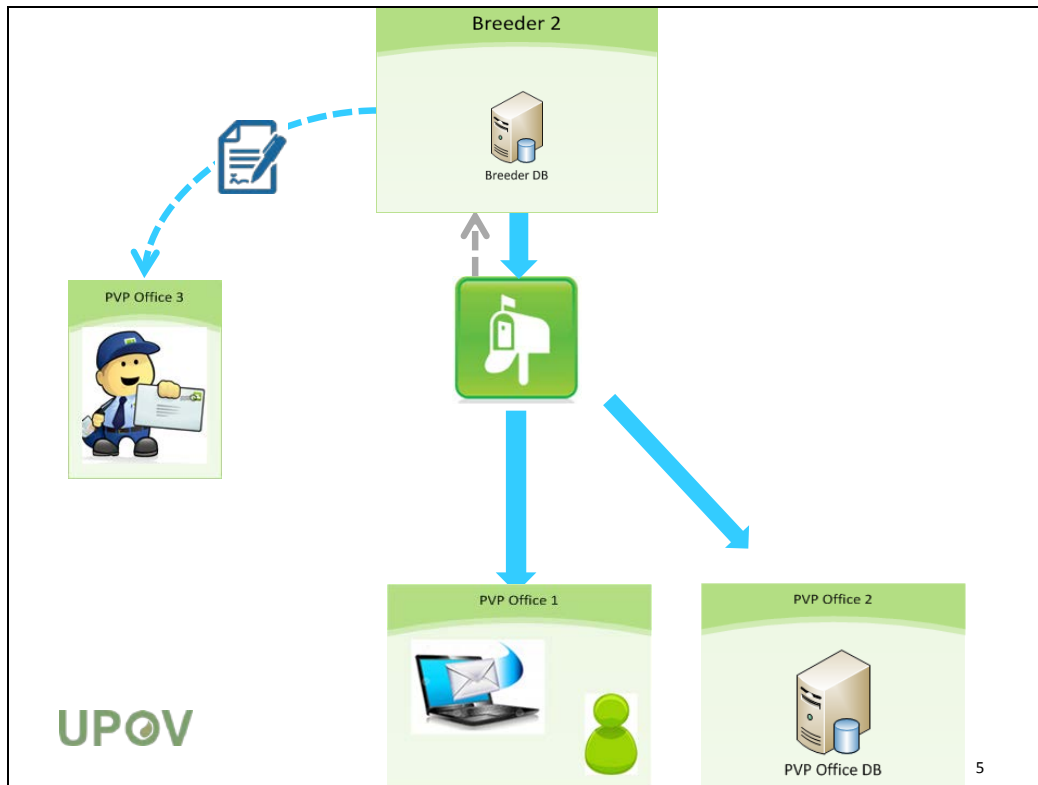
(see document CAJ/66/5 "Electronic Application Systems", paragraph 2).





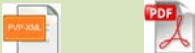
UPOV

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<p>Breeder 2</p>  <p>Breeder DB</p>	<p>Breeder 1</p> 	
<p><b>TRANSFER OPTIONS</b></p>		
<p><b>Regular Mail</b></p> <p><b>Hard Paper</b></p> 	<p><b>E-mail</b></p> <ol style="list-style-type: none"><li>1. Notification by E-mail</li><li>2. Link to download application data (XML and/or PDF)</li></ol> 	<p><b>System to System</b></p> <p><b>XML and/or PDF</b></p> 

## UPOV- Electronic Application Form

- Easy way to transfer and re-use your PBR application data, using an efficient multi-lingual e-system available online for all participating countries worldwide



UPOV

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## PREVIEW

- Background
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  - Version 1.1 (June 2017)
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- Name
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  - Tentative Timeline

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## The EAF/8 agreed:

(see document EAF/9/2 Corr. paragraph 6)

- ***Addition of new crops***

- To **launch** the EAF on January 9, 2017 with rose, soya bean, lettuce, apple fruit varieties and potato;
- To **present to the next EAF meeting** more details about the different approaches to add more crop/species to the system:
  - Customized technical questionnaire
  - Technical questionnaire based on the UPOV Test Guidelines
  - Generic technical questionnaire;
- At the EAF/9 meeting in April 2017, to establish a list of priority for addition of new crops/ species;



## The EAF/8 agreed:

(see document EAF/9/2 Corr. paragraph 6)

- ***Official variety list***

- To consider whether to include information for official variety list purposes in the EAF, at the next EAF meeting (EAF/9 in April 2017);

- ***Terms of use***

- To finalize a detailed document explaining the “Terms of Use”



## Developments since EAF/8

- Presentation of developments of the project to:
  - Administrative and Legal Committee (October 25, 2016)
  - Consultative Committee (October 28, 2016)
  - Council (October 28, 2016)
- **Launch of EAF Version 1.0**
  - **January 16, 2017**



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## PREVIEW

- Background
- Developments since EAF/8 (October 2016)
- **Launch of EAF Version 1.0 - Status**
- Proposed future developments
  - Version 1.1 (June 2017)
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- Next steps:
  - Participation in the launch of EAF
  - Tentative Timeline

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## Participation in the launch of EAF

Authority		Soya Bean	Lettuce	Apple fruit varieties	Rose	Potato	Total
<b>Argentina</b>	AR	✓	-	✓	✓	✓	4
<b>Australia</b>	AU	✓	✓	✓	✓	✓	5
<b>Chile</b>	CL	✓	✓	✓	✓	✓	5
<b>France</b>	FR	✓	✓	✓	✓	✓	5
<b>Kenya</b>	KE	✓	✓	✓	✓	✓	5
<b>Netherlands</b>	NL	✓	✓	✓	✓	✓	5
<b>New Zealand</b>	NZ	-	✓	✓	✓	✓	4
<b>Norway</b>	NO	✓	✓	✓	✓	✓	5
<b>Switzerland</b>	CH	✓	✓	✓	✓	✓	5
<b>Tunisia</b>	TN	✓	✓	✓	✓	✓	5
<b>United States of America</b>	US	✓	✓	-	-	-	2
<b>Uruguay</b>	UY	✓	-	✓	-	✓	3
Total		12	11	10	11	11	

UPOV

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## UPOV members participating in the launch of EAF



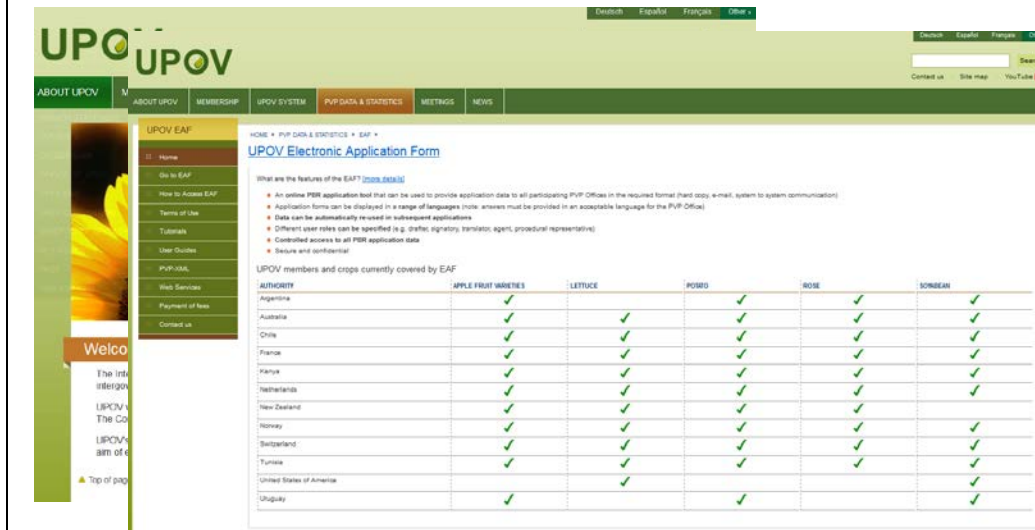
The boundaries shown on this map do not imply the expression of any opinion whatsoever on the part of UPOV concerning the legal status of any country or territory

UPOV

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## UPOV EAF Web Site

- <http://www.upov.int/upoveaf>



## Fees

- The PVP Application Fee (according to PVP Office and crop) will be paid directly to the selected PVP Office or through the EAF
- The UPOV EAF fee
  - 150 CHF/application (2017-2018)
  - In the case of the Netherlands the UPOV EAF fee is paid by the Authority in charge of DUS examination

## Payment method

- Bank Transfer
- (Credit card)-pending
- Payment by the office: e.g. NL

UPOV

## Status on the use of the EAF

- 6 entities registered in the EAF
- 3 applications submitted
- For lettuce

UPOV

## PREVIEW

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## Version 1.1

PVP Offices that have expressed intention  
to join EAF in Version 1.1

Authority		GLYCI_MAX	LACTU_SAT	MALUS_DOM	ROSAA	SOLAN_TUB	Languages accepted for submission
		Soya Bean	Lettuce	Apple fruit varieties	Rose	Potato	
China	CN		✓		✓		Chinese
Paraguay	PY	✓					Spanish
Republic of Moldova	MD	✓	✓	✓	✓	✓	Romanian
Turkey	TR	✓	✓	✓	✓	✓	Turkish

UPOV

+ United States : Addition of Potato

## Participation in EAF Version 1.1

Authority		Soya Bean	Lettuce	Apple fruit varieties	Rose	Potato	Total
Argentina	AR	✓	-	✓	✓	✓	4
Australia	AU	✓	✓	✓	✓	✓	5
Chile	CL	✓	✓	✓	✓	✓	5
China	CN	-	✓	-	✓	-	2
France	FR	✓	✓	✓	✓	✓	5
Kenya	KE	✓	✓	✓	✓	✓	5
Netherlands	NL	✓	✓	✓	✓	✓	5
New Zealand	NZ	-	✓	✓	✓	✓	4
Norway	NO	✓	✓	✓	✓	✓	5
Paraguay	PY	✓	-	-	-	-	1
Republic of Moldova	MD	✓	✓	✓	✓	✓	5
Switzerland	CH	✓	✓	✓	✓	✓	5
Tunisia	TN	✓	✓	✓	✓	✓	5
Turkey	TR	✓	✓	✓	✓	✓	5
United States of America	US	✓	✓	-	-	✓	3
Uruguay	UY	✓	-	✓	-	✓	3
Total	16	14	13	13	13	14	

## Additional Languages for Questions

- Chinese (China)
- Romanian (Republic of Moldova)
- Turkish (Turkey)

The received PDF will be in that language.

## Participation in EAF Version 1.1

Authority		Soya Bean	Lettuce	Apple fruit varieties	Rose	Potato	Total	Languages accepted for submission
Argentina	AR	✓	-	✓	✓	✓	4	Spanish
Australia	AU	✓	✓	✓	✓	✓	5	English
Chile	CL	✓	✓	✓	✓	✓	5	Spanish
China	CN	-	✓	-	✓	-	2	Chinese
France	FR	✓	✓	✓	✓	✓	5	French
Kenya	KE	✓	✓	✓	✓	✓	5	English
Netherlands	NL	✓	✓	✓	✓	✓	5	English
New Zealand	NZ	-	✓	✓	✓	✓	4	English
Norway	NO	✓	✓	✓	✓	✓	5	Norwegian
Paraguay	PY	✓	-	-	-	-	1	Spanish
Republic of Moldova	MD	✓	✓	✓	✓	✓	5	Romanian
Switzerland	CH	✓	✓	✓	✓	✓	5	French, German, English
Tunisia	TN	✓	✓	✓	✓	✓	5	French
Turkey	TR	✓	✓	✓	✓	✓	5	Turkish
United States of America	US	✓	✓	-	-	✓	3	English
Uruguay	UY	✓	-	✓	-	✓	3	Spanish
Total	16	14	13	13	13	14		

## Stylesheet for the application data

- Requirements
  - Provide XSL file compatible with standard technologies (XPath 3.0 and FOP 2.1)
- Allows to transfer the application data in a customized rendering (only for submitted applications).
- Australian case

UPOV

Plant Breeders Rights Act 1994 - Section 79

Australian Government IP Australia

Application for Plant's Breeders Rights PART 1

GENERAL INFORMATION

Information provided by you on this form may be used in determining the operation of the Plant Breeders Rights Program.

Note: There are two parts of the PBR application.

Part 1: GENERAL INFORMATION: Successful completion of this form is a prerequisite to acceptance into the PBR scheme and qualification of the variety for protection. The information and declarations must be completed.

Part 2: DESCRIPTION OF THE NEW VARIETY: Also comprises of Part 2.1: for results of the comparative trial are provided - for evidence of distinctness, uniformity and stability (DSU).

Section 1 - Information about the applicant, agent and breeder

1. Name and contact details of the applicant - The name and address of each applicant is required. For joint applicants, use Supplementary Pages to Part 1: applications form (202000001) for each additional applicant.

Name of Applicant: 708 Hulse

Street Address: 47 James Street

Date: 19 Feb 2017



## PREVIEW

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  - Tentative Timeline

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## Version 2.0

- No new authorities other than the ones participating in PV1, PV2 and Version 1.1
- Addition of new crops
  - 3 approaches

## Approach 1- UPOV Technical Questionnaire

- Crops with adopted TG (data source: Web Based TG Template Database)
  - 320 approx.
- Crops with no adopted TG
  - TGP/7
  - Standardized structure:
    - Breeding history: breeding scheme; method of propagating the variety;
    - TQ characteristics : Free text characteristics and states of expression;
    - Similar varieties and differences from those varieties;
    - Additional information
    - Plant Material Information

UPOV

## Approach 1- UPOV Technical Questionnaire

Authority (for existing crops/species)		Approach 1
Argentina	AR	
Australia	AU	
Chile	CL	X
France	FR	
Kenya	KE	X
Netherlands	NL	
New Zealand	NZ	
Norway	NO	
Switzerland	CH	
Tunisia	TN	X
United States of America	US	
Uruguay	UY	
Total	12	3

UPOV

## Breeding History (§4)

Application Form

APPLICANTS

REPRESENTATIVE(S)/AGENT(S)

BREEDER(S)

CORRESPONDENCE ADDRESS

DENOMINATION

OTHER APPLICATIONS

PRIORITY CLAIM

NOVELTY

TECHNICAL EXAMINATION

Technical Questionnaire

BREEDING SCHEME

VARIETY CHARACTERISTICS

VARIETY COMPARISON

PLANT MATERIAL INFORMATION

ADDITIONAL INFORMATION

Declaration And Signature

DECLARATION AND SIGNATURE

ATTACHMENTS

Export

Save

Submit

Cancel

All mandatory fields in this chapter have been answered

All mandatory fields in this chapter have not been answered

Mandatory

Specific rules. Please click on the corresponding link for details.

The text in grey next to each question denotes the corresponding standard UPOV reference as defined in

Information on the breeding scheme and propagation of the variety

Breeding Scheme <sup>4.1</sup>

Variety resulting from crossing <sup>4.1</sup>

controlled cross <sup>4.1</sup>

partially known cross <sup>4.1</sup>

(please state known parent variety(ies)) <sup>4.1</sup>

unknown cross <sup>4.1</sup>

Variety resulting from mutation <sup>4.1</sup>

Variety resulting from discovery and development <sup>4.1</sup>

Variety resulting from other <sup>4.1</sup>

Method of propagating the variety <sup>4.2</sup>

Seed-propagated varieties <sup>4.2</sup>

Vegetatively-propagated varieties <sup>4.2</sup>

Suber <sup>4.2</sup>

cuttings <sup>4.2</sup>

in vitro propagation <sup>4.2</sup>

Other <sup>4.2</sup>

Other <sup>4.2</sup>

UPOV

## TQ Characteristics (§5)

Application Form

APPLICANTS

REPRESENTATIVE(S)/AGENT(S)

BREEDER(S)

CORRESPONDENCE ADDRESS

DENOMINATION

OTHER APPLICATIONS

PRIORITY CLAIM

NOVELTY

TECHNICAL EXAMINATION

Technical Questionnaire

BREEDING SCHEME

VARIETY CHARACTERISTICS

VARIETY COMPARISON

PLANT MATERIAL INFORMATION

ADDITIONAL INFORMATION

Declaration And Signature

DECLARATION AND SIGNATURE

ATTACHMENTS

Characteristics of the variety to be indicated

Characteristic 5.1

State of expression 5.2

+ Add

UPOV

## Similar varieties and differences from those varieties (§6)

The screenshot shows the 'Similar varieties and differences from these varieties' section of the UPOV application form. On the left is a vertical navigation menu with sections: Application Form, Technical Questionnaire, Declaration And Signature, and Attachments. The 'Application Form' section is expanded, showing sub-sections: APPLICANTS, REPRESENTATIVE(S)/AGENT(S), BREEDER(S), CORRESPONDENCE ADDRESS, DENOMINATION, OTHER APPLICATIONS, PRIORITY CLAIM, NOVELTY, and TECHNICAL EXAMINATION. The 'TECHNICAL EXAMINATION' sub-section is further expanded to show: BREEDING SCHEME, VARIETY CHARACTERISTICS, VARIETY COMPARISON, PLANT MATERIAL INFORMATION, and ADDITIONAL INFORMATION. The main content area is titled 'Similar varieties and differences from these varieties' and includes a paragraph: 'Please use the following table and box for comments to provide information on how your candidate variety differs from the variety (or varieties) which, to the best of your knowledge, is (or are) most similar. This information may help the examination authority to conduct its examination of distinctness in a more efficient way.' Below this is a table with four columns: 'Denomination(s) of variety(ies) similar to your candidate variety § 6', 'Characteristic(s) in which your candidate variety differs from the similar variety(ies) § 6', 'Describe the expression of the characteristic(s) for the similar variety(ies) § 6', and 'Describe the expression of the characteristic(s) for your candidate variety § 6'. There are input fields for each column and an '+ Add' button. Below the table is a 'Comments: § 6' section with a text input field.

UPOV

## Additional Information (§8)

The screenshot shows the 'Additional information which may help in the examination of the variety' section of the UPOV application form. The navigation menu on the left is identical to the previous section. The main content area is titled 'Additional information which may help in the examination of the variety' and includes the following questions and options: 'In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? Yes/No' with radio buttons for 'Yes' and 'No'; 'Are there any special conditions for growing the variety or conducting the examination? Yes/No 1.2' with radio buttons for 'Yes' and 'No'; 'Other information 1.3' with a text input field; 'Authorization for release § 8' with a radio button for 'Yes'; and 'Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? Yes/No' with radio buttons for 'Yes' and 'No'.

UPOV

## Plant Material Information (§9)

The screenshot shows a web-based application form for UPOV. On the left is a vertical sidebar with a list of sections: Application Form, REPRESENTATIVE(S) AGENT(S), BREEDER(S), CORRESPONDENCE ADDRESS, DENOMINATION, OTHER APPLICATIONS, PRIORITY CLAIM, NOVELTY, TECHNICAL EXAMINATION, Technical Questionnaire, BREEDING SCHEME, VARIETY CHARACTERISTICS, VARIETY COMPARISON, PLANT MATERIAL INFORMATION, ADDITIONAL INFORMATION, Declaration And Signature, and ATTACHMENTS. The 'PLANT MATERIAL INFORMATION' section is currently selected and highlighted in green. The main content area is titled 'Information on plant material to be examined or submitted for examination'. It contains explanatory text about factors affecting variety characteristics and a series of questions with radio button options for 'Yes' and 'No':  
1. Microorganisms (e.g. virus, bacteria, phytoplasma): Yes/No : 2  
2. Chemical treatment (e.g. growth retardant, pesticide): Yes/No : 2  
3. Tissue culture: Yes/No : 2  
4. Other factors: Yes/No : 2  
At the bottom left of the form are buttons for 'Export', 'Save', 'Submit', and 'Cancel'.

UPOV

## Approach 2- UPOV TG Characteristics

- Crops with adopted TG (data source: Web Based TG Template Database)
- Crops with no adopted TG
  - Free text information for characteristics and corresponding states of expression.

UPOV

## Approach 2- UPOV TG Characteristics

Authority (for existing crops/species)		Approach 1	Approach 2
Argentina	AR		
Australia	AU		X
Chile	CL	X	
France	FR		
Kenya	KE	X	
Netherlands	NL		
New Zealand	NZ		
Norway	NO		
Switzerland	CH		
Tunisia	TN	X	
United States of America	US		
Uruguay	UY		
<b>Total</b>	<b>12</b>	<b>3</b>	<b>1</b>

UPOV

## Example

You are applying for *Malus domestica* Borkh. in AUSTRALIA

### PRIMA FACIE CASE

List the characteristics or combination of characteristics which make your variety (the candidate) clearly distinguishable from its parents/ source material and the 'most similar varieties of common knowledge (VCK)' (the comparators). Characteristics must be capable of precise definition to establish a prima facie case. Please attach a photograph of the variety showing its distinguishing features.

Prima facie case for breeding \*

Comparison with maternal or source germplasm/variety \*

Name of maternal parent or source germplasm/variety	Characteristic(s) in which the candidate variety differs from the maternal parent or source germplasm/variety	Describe the expression of the characteristic for the maternal parent or source germplasm/variety	Describe the expression of the characteristic for the candidate

+ Add

Comparison with other parent(s). If unsure, list putative

Name of other parent(s)	Characteristic(s) in which the candidate variety differs from the other parent(s)	Describe the expression of the characteristic for the other parent(s)	Describe the expression of the characteristic for the candidate

+ Add

Prima facie case for distinctness 0.0

Is the candidate variety the first variety of the species/hybrid?

UPOV 01: Tree: vigor  
UPOV 02: Tree: type  
UPOV 03: Only varieties with ramified tree type: Tree: habit  
UPOV 04: Tree: type of bearing  
UPOV 05: One-year-old shoot: thickness  
UPOV 06: One-year-old shoot: length of internode  
UPOV 07: One-year-old shoot: color on sunny side  
UPOV 08: One-year-old shoot: pubescence (on distal half of shoot)  
UPOV 09: One-year-old shoot: number of lenticels  
UPOV 10: Leaf blade: attitude in relation to shoot  
UPOV 11: Leaf blade: length  
UPOV 12: Leaf blade: width  
UPOV 13: Leaf blade: ratio length/width  
UPOV 14: Leaf blade: intensity of green color

Yes  
No

You are applying for *Lactuca sativa* L. in AUSTRALIA

Comparison with maternal or source germplasm/variety \*

- For each new crop
- Requires more resources and time

## Approach 3- Customized TQ

Authority (for existing crops/species)		Approach 1	Approach 2	Approach 3
Argentina	AR			X
Australia	AU		X	
Chile	CL	X		
France	FR			X
Kenya	KE	X		
Netherlands	NL			X
New Zealand	NZ			X
Norway	NO			X
Switzerland	CH			X
Tunisia	TN	X		
United States of America	US			X
Uruguay	UY			X
<b>Total</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>8</b>

## Participating authorities in PV2 and V1.1

Authority (for existing crops/species)		Approach 1	Approach 2	Approach 3
African Intellectual Property Organization	OA	X		
Brazil	BR		X	
Canada	CA		X	
China	CN			X
Colombia	CO	X		
Czech Republic	CZ			X
European Union	QZ			X
Georgia	GE			X
Japan	JP			X
Mexico	MX		X	
Paraguay	PY			X
Plurinational State of Bolivia	BO			X
Republic of Moldova	MD	X		
Republic of Korea	KR			X
South Africa	ZA			X
Turkey	TR	X		
Viet Nam	VN		X	
<b>Total</b>	<b>17</b>	<b>4</b>	<b>4</b>	<b>9</b>



## Tentative Timetable for addition of new crops

2018	2019	2020	...
Approach 1* complete			
Approach 2* complete			
Approach 3			...

UPOV

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## Tentative Timetable for addition of new crops



2018	2019	2020	...
Approach 1* complete			
Approach 2* complete			
Approach 3			...

UPOV

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## Official Variety List

- Discuss the requirements with **each of the participating members** of the Union that have expressed a wish to include such information.
- In that regard, the participating member of the Union may also be invited to consider providing resources, in order to implement such requirements.

UPOV

## Payment

- Support of current account
  - [Current account](#) will be useful to facilitate the Bulk Upload functionality allowing Bulk Payment
  - This functionality will be tested in the next months with volunteers.

UPOV

## Link to information available in the GENIE Database

- It is proposed to make a link in the EAF website to the information available in GENIE, concerning cooperation in DUS examination.



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## Communication

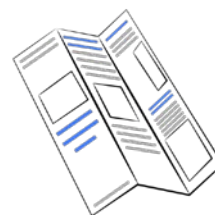
- Circular E17/007, E17/008 and E17/009 sent at the launch of the EAF for:
  - Individual Breeders
  - Breeders' organizations
  - PVP Offices
- Announcement on UPOV WebSite

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## Communication (cont'd)

- Communication materials under development:
  - Posters
  - Flyers
  - Press release
  - Videos
  - ...



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## Communication (cont'd)

- Online sessions and webinars planned for breeders
  - ISF congress
  - CIOPORA AGM
  - AOHE
  - SAA
  - AFSTA
  - ASTA
  - and individual training sessions for breeding companies...

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## PREVIEW

- Background
- Developments since EAF/8 (October 2016)
- Launch of EAF Version 1.0 - Status
- Proposed future developments
  - Version 1.1 (June 2017)
  - Version 2.0 (January 2018)
- Communication
- Support
- Name
- Next steps:
  - Participation in the launch of EAF
  - Tentative Timeline

## Support

- A program of user-support and routine maintenance provisions for PVP Offices and users will be developed in consultation with the participating members in the EAF meetings.

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## PREVIEW

- Background
- Developments since EAF/8 (October 2016)
- Proposed future developments
  - Version 1.1 (June 2017)
  - Version 2.0 (January 2018)
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- Name
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## Proposal for New Name

### **PRISMA**

Plant variety data **R**outing **I**nformation **S**ystem  
**M**ultilingual **A**pplication tool



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## PREVIEW

- Background
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  - Version 1.1 (June 2017)
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## Participation in the EAF

- Additional Members of the Union will be included after the release of Version 2.0
- Provide requested materials:
  - Forms
  - Translations



## PREVIEW

- Background
- Developments since EAF/8 (October 2016)
- Proposed future developments
  - Version 1.1 (June 2017)
  - Version 2.0 (January 2018)
- Communication
- Support
- Name
- Next steps:
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## Tentative Timetable for Test campaign EAF Version 1.1

Test Campaign	WebEx	From/To	Milestone Release (MR) Contents/ Functionalities to be tested
Test Release V1.1	08/05/2017	08/05/2017 to 19/05/2017	Add Republic of Moldova as Authority and Romanian as a language for answers Generate PDF using office stylesheet (AU) Add US for potato , Add Turkey , Add Paraguay Soyabean, Edit user profile page, Add Chinese as language for the web application, Add CN for Lettuce and Rose
User Acceptance Tests	06/06/2017	06/06/2017 to 16/06/2017	User feedback from Test Release V1.1

**Launch EAF Version 1.1: 26/06/2017**



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## Test Release V1.1

- For PVP offices
  - AU
  - AR
  - FR
  - MD
  - PY
  - TR
  - US
- Breeders



## Tentative Timetable for Test campaign EAF Version 2.0

Circular to be sent (after EAF/9) to  
participating members

Details will be provided at EAF/10

Estimated Launch V2.0: 15/01/2018

## Back up slides

- EAF interface

## 0. Create WIPO Accounts

The screenshot shows the UPOV website's 'Create WIPO Account' page. At the top, there is a language selection bar with options: العربية, Deutsch, Español, Français, 日本語, 한국어, Português, 中文, Русский, and Logout. On the left, a sidebar menu under 'WIPO ACCOUNTS' includes 'Sign in', 'Create WIPO Account' (highlighted), 'Request Confirmation E-mail', 'Reset Password', and 'Forgotten Username'. The main content area is titled 'Create WIPO Account' and includes a note: 'All fields marked with \* are mandatory.' Below this, the 'User information' section states: 'WIPO accounts are personal and NOT generic. Please provide your own personal details and an individual e-mail address when creating an account.' The form fields are: Username \*, First Name \*, Last Name \*, Company/Organization \*, Phone, Address, City \*, Country \*, and Preferred communication language \*. Below the form, an 'E-mail' section says: 'Please indicate an individual e-mail address below. The same e-mail address cannot be used with another WIPO account.'

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## 1. Organize your team

### Step 1.1: Designate the Breeder Admin

The screenshot shows the UPOV 'Electronic Application Form' (EAF) interface. On the left, a box labeled 'Unknown user' says 'Please contact your administrator (Breeder admin)'. The main area is titled 'Contact EAF Team' and contains the following fields: Username (filled with 'BREEDER TESTER2'), Role (a dropdown menu showing 'BREEDER ADMIN'), and Authenticated authorization (with a 'Browse' button and a file icon). There is also a link to 'Authorization.pdf' with a download icon. At the bottom of the form is a 'Contact EAF Team' button.

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## 1. Organize your team

- Step 1.2 : Assign other roles if needed
  - Co-Breeder Admin
  - Drafter
  - Authorized Signatory

The screenshot shows the 'Add User' dialog box in the UPOV Electronic Application Form. The dialog box has a search bar with 'CERTEL' entered. Below the search bar, the following information is displayed: Username: cerfel, First Name: Romy, Last Name: Cerfel, Company: UPOV, Authority: CH, and E-mail address: romy.cerfel@upov.int. A dropdown menu for 'Role' is open, showing three options: DRAFTER, CO-BREEDER ADMIN, and AUTHORIZED SIGNATORY. The background shows a table of existing users with columns for Username, First Name, Last Name, Company, Authority, and Action.

## 2. Start a new application

### Step 2.1: Application Settings

The screenshot shows the 'New Application Settings' page in the UPOV Electronic Application Form. The page has several dropdown menus and a text input field. The 'Select Crop/Species' dropdown is set to 'Soya Bean (Glycine max (L.) Merrill)'. The 'Select Authority' dropdown is set to 'ARGENTINA'. The 'Submitter's Own Reference' field is empty. The 'Upload Existing Data (ZIP)' button is circled in green. The 'Select Language for answers' dropdown is set to 'Spanish'. The 'Application Form' dropdown is set to 'Spanish'. The 'Technical Questionnaire' dropdown is set to 'Spanish'. At the bottom, there are 'Start' and 'Cancel' buttons. To the right of the form, there are four green boxes with text: '5 crops', '12 authorities', 'Reuse of data stored locally', and 'Submitted form in 5 supported languages'.

## 2. Start a new application

- Step 2.2 : Complete the form

4 supported  
languages

Save data in  
your  
machine

Save data in  
the DB

UPOV Electronic Application Form

APPLICANT(S)

Name of applicant \*

Contact Name \*

Street Address \*

Postal Code \*

Country \*

Save

Submit

## 3. Submit your application data

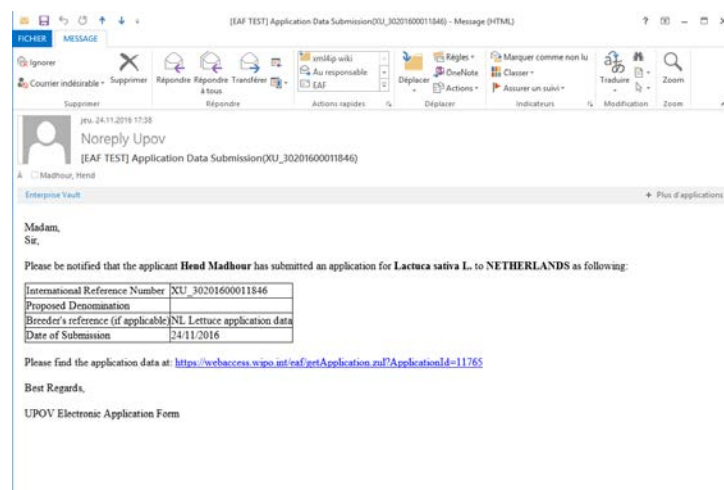
UPOV Electronic Application Form

Disclaimer

The user of the EAF agrees to the [terms of use](#) for the data transmitted using the EAF. The user of the EAF retains full responsibility in relation to the completeness and accuracy of the data transmitted using the EAF, including the sending of data before without completing "mandatory fields". The data transmitted using the EAF does not constitute the official application for a breeder's right. The authority entrusted with the task of granting breeders' rights retains full responsibility in relation to the requirements concerning the filing of applications and grants of breeders' rights in accordance with the legislation of the member of the Union concerned. For matters concerning those requirements, users of the EAF should contact the relevant authority, contact details for which are provided at [http://www.upov.int/members/en/pvp\\_offices.html](http://www.upov.int/members/en/pvp_offices.html).

I agree Cancel

### 3. Submit your application data



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### 4. Pay UPOV and PVP office Fees

The screenshot shows the 'UPOV Electronic Application Form' interface. The 'Payment Details' section is highlighted, showing the following information:

You are applying for Rosa L. in AUSTRALIA  
Please note that only EAF Fees are requested at EAF level. You should pay the application fees directly to AUSTRALIA

Please add the international Reference Number (IRN) for the application as the Reference when making the payment through e-SERVICES

Fees	Currency	Amount
EAF Fees	CHF	150.0
Total Amount		CHF 150.0

Choose your payment method: Bank Transfer

Buttons: Continue, Cancel

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## 4. Pay UPOV and PVP office Fees

WIPO  
WORLD INTELLECTUAL PROPERTY ORGANIZATION

Contact Us | My Account | English

Home | IP Services | Payment | External Acceptance

### Invoice

Amount	150.00 CHF
Payment number	EPAY-R356W7WppA7g5g
Reference	XU_30201600004982_BO
Payment subject	Fee for UPOV electronic application form
Payment method	Bank transfer
Beneficiary	WIPO/OMPI
IBAN	CH51 CHF0 0000 0000 0
Swift/BIC	CRESCH2280A
Bank	Credit Suisse, 1211 Geneva 70, Switzerland

Please click Send to receive by email the details of the payment.

[Send](#) [Go back](#)

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## 5. Apply to another authority

- Step 5.1 : Copy your previously submitted application data

UPOV Electronic Application Form

Welcome User | Help | Logout | EN

### Copy Application Settings

Select Crop/Species \*

Select Authority \*

Submitter's Own Reference

Select Language for answers

Application Form \*

Technical Questionnaires \*

### Our Recommendations

\*Combined\* denotes the Combined Application Data (Application Form and Technical Questionnaires). It cumulates all answers to common and country specific questions you provided for a specific variety. For each question, the latest answer should overrule any previous answers.

International Reference Number	Crop	Proposed Variety Designation	Breeder's Variety Reference	Submitter's Own Variety Reference	Authority	Action
XU_30201600015461	Lettuce	NEW TEST AF	New TEST NL Lettuce		Combined	<a href="#">Copy</a>   <a href="#">Delete</a>
XU_30201600011503	Lettuce	DENOMINATION 2	TEST NO LETTUCE 2		Combined	<a href="#">Copy</a>   <a href="#">Delete</a>
XU_30201600011547	Lettuce	DENOMINATION 2	TEST TN LETTUCE		Combined	<a href="#">Copy</a>   <a href="#">Delete</a>
XU_30201600011702	Lettuce	DENOMINATION 2	TEST TN LETTUCE 2		Combined	<a href="#">Copy</a>   <a href="#">Delete</a>
XU_30201600011546	Lettuce		NL Lettuce application data		Combined	<a href="#">Copy</a>   <a href="#">Delete</a>

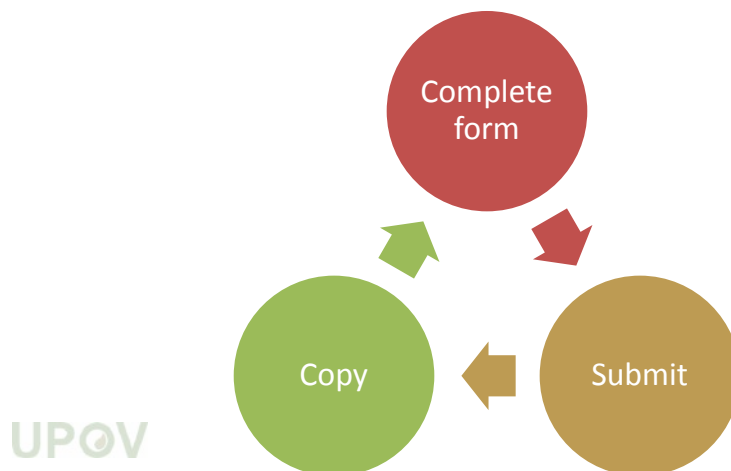
## 5. Apply to another authority

- Step 5.2 : Complete any missing information

The screenshot shows the UPOV Electronic Application Form interface. On the left is a sidebar with a list of sections: APPLICATION FORM, APPLICANTS, CORRESPONDENCE ADDRESS, DENOMINATION, OTHER APPLICATIONS, VARIETY SALE, TECHNICAL EXAMINATION, Technical Questionnaire, BREEDING SCHEME, VARIETY CHARACTERISTICS, VARIETY COMPARISON, ADDITIONAL INFORMATION, GMO INFORMATION, Declaration And Signature, DECLARATION AND SIGNATURE, and ATTACHMENTS. The main area is titled 'SIMILAR VARIETIES AND DIFFERENCES FROM THESE VARIETIES' and contains a table with columns: Similar variety s.o., Characteristic(s) in which the similar the variety is different s.o., State of expression of similar variety s.o., and State of expression of candidate variety s.o. An example row shows 's.o.' in the first column, 'UPOV 01: Seed colour' in the second, '1\_white' in the third, and '2\_yellow' in the fourth. Below the table is an 'Add' button. At the bottom left, there are buttons for 'Export', 'Save', 'Submit', and 'Cancel', along with a status message: 'All mandatory fields in this chapter have been answered'.

## 5. Apply to another authority

- Step 5.3 : Submit and pay application fees



[End of Annex II and of document/  
Fin de l'Annexe II et du document/  
Ende der Anlage II und des Dokuments/  
Fin del Anexo II y del documento]