



TC/47/18
ORIGINAL: English
DATE: January 19, 2011

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

TECHNICAL COMMITTEE

Forty-Seventh Session
Geneva, April 4 to 6, 2011

REVISION OF TGP/7:
STANDARD REFERENCES IN THE TECHNICAL QUESTIONNAIRE

Document prepared by the Office of the Union

1. The purpose of this document is a report on developments concerning the possible introduction of standard references for the UPOV Model TQ and for Test Guidelines, which would need to be considered in relation to a revision of document TGP/7 “Development of Test Guidelines”.

2. The structure of the document is as follows:

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ANNEX I Document TGP/7 “Development of Test Guidelines”, Annex I: “TG template”, chapter 10. Technical questionnaire, with standard references

ANNEX II Set of standard references to: Document TGP/7 “Development of Test Guidelines”, Annex I: “TG template”, Technical questionnaire

3. The following abbreviations are used in this document:

CAJ: Administrative and Legal Committee
TC: Technical Committee
TC-EDC: Enlarged Editorial Committee
TWA: Technical Working Party for Agricultural Crops
TWC: Technical Working Party on Automation and Computer Programs
TWF: Technical Working Party for Fruit Crops
TWO: Technical Working Party for Ornamental Plants and Forest Trees
TWV: Technical Working Party for Vegetables
TWPs: Technical Working Parties

UPOV Model Application Form:

UPOV Model Form for the Application for Plant Breeders' Rights (document TGP/5 "Experience and Cooperation in DUS Testing", Section 2/2: "UPOV Model Form for the Application for Plant Breeders' Rights")

UPOV Model TQ:

Generalized UPOV Model Technical Questionnaire to be Completed in Connection with an Application for Plant Breeders' Rights – document TGP/7/1, Annex 1: TG Template, Chapter 10 "Technical Questionnaire" (see document TGP/5 "Experience and Cooperation in DUS Testing", Section 3/1: "Technical Questionnaire to be Completed in Connection with an Application for Plant Breeders' Rights")

UPOV Test Guidelines TQ:

Model Technical Questionnaire specific for the relevant UPOV Test Guidelines (e.g. the Test Guidelines for Rose, document TG/11/8, contains a model Technical Questionnaire for rose)

Background

4. The Administrative and Legal Committee (CAJ), at its sixtieth session, held in Geneva on October 19 and 20, 2009, considered “Proposal 1: Standardized reference by authorities to the UPOV Model Application Form and UPOV Model TQ”, on the basis of paragraphs 21 to 30 of document CAJ/60/5 and approved the:

(i) standard UPOV references for the UPOV Model Application Form and UPOV Model TQ, as set out in Annexes I and III of document CAJ/60/5;

(ii) inclusion of an explanation of the standard references in the revision of document TGP/7 and in a revision of document TGP/5 Section 2/2;

(iii) posting of standard references and “linear blank forms” (in “Word” format) on the freely-accessible area of UPOV website, on the basis of Annexes II and IV of document CAJ/60/5; and

(iv) translation of “linear blank forms” into other languages, as set out in paragraph 26 of document CAJ/60/5.

5. The CAJ agreed that Proposal 1 “Standardized reference by authorities to the UPOV Model Application Form and UPOV Model TQ”, as approved by the CAJ at its sixtieth session, should be put forward for adoption by the Council in October 2010 (see document CAJ/60/10 “Report on the Conclusions”, paragraph 31).

6. The Technical Committee (TC), at its forty-sixth session, held in Geneva from March 22 to 24, 2010, agreed to propose to the CAJ that inclusion of an explanation of the standard references for the UPOV Model TQ and for Test Guidelines, as set out in Annexes III and IV of document TC/46/13 (document CAJ/60/5) (Annexes I and II of this document), would benefit from discussion in the TWPs and TC and should not be included in document TGP/7/2, but should be considered for a future revision of document TGP/7 (document TGP/7/3) (see document TC/46/15 “Report on the conclusions”, paragraph 82).

7. The CAJ, at its sixty-first session, held in Geneva on March 25, 2010, agreed with the conclusion of the TC that inclusion of an explanation of the standard references for the UPOV Model TQ and for Test Guidelines, as set out in Annexes III and IV of document TC/46/13 (document CAJ/60/5) (Annexes I and II of this document), would benefit from discussion in the TWPs and TC and should not be included in document TGP/7/2, but should be considered for a future revision of document TGP/7 (document TGP/7/3) (see document CAJ/61/12 “Report”, paragraph 51).

Comments by the Technical Working Parties

8. At its thirty-ninth session, held in Osijek, Croatia, from May 24 to 28, 2010, the Technical Working Party for Agricultural Crops (TWA) considered document TWA/39/8 (see document TWA/39/27 “Report”, paragraphs 63 to 65 and 77).

9. The representative of the European Seed Association (ESA) noted that the arrangements for providing and using the standard references for Technical Questionnaires, as set out in document TWA/39/8, Annexes III and IV (Annexes I and II of this document), could be

complicated and would imply a significant commitment for authorities and might not be simple for breeders. Therefore, he agreed to consult his members in order to provide a clear view from ESA on whether such an approach would merit the investment of resources required.

10. At its twenty-eighth session, held in Angers, France, from June 29 to July 2, 2010, the TWC noted that it would be a matter for breeders to indicate the usefulness of standard references for UPOV Technical Questionnaires (TQs). However, it saw the benefits of having a standard reference for items in the TQ, particularly for authorities where applications forms could not be made available in multiple languages. In that regard, it noted that the inclusion of a standard reference in an authority's TQ would be considerably more straightforward than translating those documents into other languages. It also noted that the growing diversity of languages and alphabets within UPOV meant that the use of the references by only some authorities might still bring substantial benefits (see document TWC/28/36 "Report", paragraph 42).

11. At its forty-fourth session, held in Veliko Tarnovo, Bulgaria, from July 5 to 9, 2010, the TWV noted the comments of the TWA and TWC. The TWV also agreed that consideration might be given to the inclusion of an additional field in the standard UPOV Model TQ in order for an applicant to have the possibility to indicate a trademark, trade name or other similar indication that was associated with the variety denomination (see document TWV/44/34 "Report", paragraphs 52 and 53).

12. The TWO, at its forty-third session, held in Cuernavaca, Morelos State, Mexico, from September 20 to 24, 2010, considered document TWO/43/8 and agreed that the standard references for the UPOV Model TQ and for Test Guidelines, as set out in Annexes III and IV of that document (Annexes I and II of this document), should be introduced within the context of a future revision of document TGP/7 (document TGP/7/3) (see document TWO/43/29 Rev. "Report", paragraph 52).

13. The TWF, at its forty-first session, held in Cuernavaca, Morelos State, Mexico, from September 27 to October 1, 2010, considered document TWF/41/8 and agreed that the standard references for the UPOV Model TQ and for Test Guidelines, as set out in Annexes III and IV of that document (Annexes I and II of this document), should be introduced within the context of a future revision of document TGP/7 (document TGP/7/3) (see document TWF/41/30 Rev. "Report", paragraph 49).

Current Status

Standard references for UPOV Model Application Form

14. The Council, at its forty-fourth ordinary session, held in Geneva on October 21, 2010, adopted document TGP/5, Section 2/3: Experience and Cooperation in DUS Testing: UPOV Model Form for the Application for Plant Breeders' Rights, containing the standard UPOV references for the UPOV Model Application Form and the "linear blank forms" (in "Word" format), as set out in Annexes I and II, respectively, of document CAJ/60/5.

15. The posting of standard references and "linear blank forms" (in "Word" format) on the freely accessible area of UPOV website, on the basis of Annex II of document CAJ/60/5, will be undertaken in conjunction with the posting of document TGP/5, Section 2/3.

16. The posting of standard references and “linear blank forms” (in “Word” format) on the freely accessible area of UPOV website, on the basis of Annex II of document CAJ/60/5, in languages other than English, French, German and Spanish, can be arranged where provided by relevant members of the Union. However, in order to ensure the validity of the translations, all interested members of the Union will be requested to verify the translations of the languages before they were made available on the UPOV website. In addition, there will be an explanation that the translations are unofficial and that it will be the responsibility of the applicant to ensure the validity on any information provided in their application.

Standard references for UPOV Model Technical Questionnaire and characteristics in the Test Guidelines

17. The proposed approach for providing standard references for the UPOV Model Technical Questionnaire and for the characteristics in the Test Guidelines, is set out in Annexes I and II to this document. The approach uses a formula that would allow all members of the Union to present characteristics in a standardized way according to the relevant Test Guidelines, as follows:

UPOV-TQ1: 5 (TG reference)(TQ reference)(TG characteristic number)(TG note)

18. Two examples of that approach are provided at the end of Annex II. As indicated in those examples, such a reference would also provide flexibility for members of the Union to provide a precise reference to any characteristic in the Test Guidelines, irrespective of whether the characteristic is one that was used in the Section 5 of the Technical Questionnaire of the Test Guidelines concerned. This approach means that it would not be necessary for the individual UPOV Test Guidelines to have specific references in order for members of the Union to have a standard reference.

19. The inclusion of the TG reference would mean that the characteristics could be linked to different versions of the Test Guidelines, which means that it would not be necessary for members of the Union to update their references each time the Test Guidelines were revised. However, in order for applicants to be able to refer to the relevant characteristics, previous versions of adopted Test Guidelines would need to be accessible on the UPOV website.

20. The CAJ, at its sixty-fourth session, to be held in Geneva on October 17 and 18, 2011, will be invited to consider the approach for providing standard references for the UPOV Model Technical Questionnaire and for the characteristics in the Test Guidelines, as set out in Annexes I and II to this document, with a view to a future revision of document TGP/7 (document TGP/7/3). The comments of the TC, at its forty-seventh session, to be held in Geneva from April 4 to 6, 2011, will be reported to the CAJ at its sixty-fourth session.

21. The Technical Committee (TC) is invited to consider the approach for providing standard references for the UPOV Model Technical Questionnaire and for the characteristics in the Test Guidelines, as set out in Annexes I and II to this document, with a view to a future revision of document TGP/7 (document TGP/7/3).

[Annexes follow]

ANNEX I

DOCUMENT TGP/7 “DEVELOPMENT OF TEST GUIDELINES”
ANNEX I: “TG TEMPLATE”, CHAPTER 10. TECHNICAL QUESTIONNAIRE,
WITH STANDARD REFERENCES

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
		Application date: (not to be filled in by the applicant)
<p>TECHNICAL QUESTIONNAIRE to be completed in connection with an application for plant breeders' rights</p> <p>ASW 13</p> <p>“In the case of hybrid varieties which are the subject of an application for plant breeders' rights, and where the parent lines are to be submitted as a part of the examination of the hybrid variety, this Technical Questionnaire should be completed for each of the parent lines, in addition to being completed for the hybrid variety.”</p> <p><i>UPOV-TQI: ASW 13</i></p>		
<p>1. Subject of the Technical Questionnaire</p> <p>1.1 Botanical name <input data-bbox="609 1012 1334 1061" type="text" value="{ Botanical name }"/> <i>UPOV-TQI: 1(a)</i></p> <p>1.2 Common name <input data-bbox="609 1093 1334 1142" type="text" value="{ Common name }"/> <i>UPOV-TQI: 1(b)</i></p> <p style="text-align: center;">ASW 14</p>		
<p>2. Applicant</p> <p>Name <input data-bbox="609 1335 1334 1384" type="text"/> <i>UPOV-TQI: 2(a)</i></p> <p>Address <input data-bbox="609 1415 1334 1612" type="text"/> <i>UPOV-TQI: 2(b)</i></p> <p>Telephone No. <input data-bbox="609 1635 1334 1684" type="text"/> <i>UPOV-TQI: 2(c)</i></p> <p>Fax No. <input data-bbox="609 1715 1334 1765" type="text"/> <i>UPOV-TQI: 2(d)</i></p> <p>E-mail address <input data-bbox="609 1796 1334 1845" type="text"/> <i>UPOV-TQI: 2(e)</i></p> <p>Breeder (if different from applicant) <input data-bbox="609 1921 1334 1971" type="text"/> <i>UPOV-TQI: 2(f)</i></p>		

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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3. Proposed denomination and breeder's reference

Proposed denomination
(if available)

UPOV-TQI: 3(a)

Breeder's reference

UPOV-TQI: 3(b)

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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#4. Information on the breeding scheme and propagation of the variety

4.1 Breeding scheme

ASW 15 (a) Alternative 1

“Variety resulting from:

“4.1.1 Crossing

“(a) controlled cross []
UPOV-TQ1: 4(1)(I)(a)(i)
 (please state parent varieties)

(.....)	x	(.....)
female parent <i>UPOV-TQ1: 4(1)(I)(a)(ii)</i>		male parent <i>UPOV-TQ1: 4(1)(I)(a)(iii)</i>

“(b) partially known cross []
UPOV-TQ1: 4(1)(I)(b)(i)
 (please state known parent variety(ies))

(.....)	x	(.....)
female parent <i>UPOV-TQ1: 4(1)(I)(b)(ii)</i>		male parent <i>UPOV-TQ1: 4(1)(I)(b)(iii)</i>

“(c) unknown cross []
UPOV-TQ1: 4(1)(I)(c)

“4.1.2 Mutation []
UPOV-TQ1: 4(1)(II)(i)
 (please state parent variety)
UPOV-TQ1: 4(1)(II)(ii)

“4.1.3 Discovery and development []
UPOV-TQ1: 4(1)(III)(i)
 (please state where and when discovered
 and how developed)
UPOV-TQ1: 4(1)(III)(ii)

“4.1.4 Other []”
UPOV-TQ1: 4(1)(IV)(i)
 (please provide details)
UPOV-TQ1: 4(1)(IV)(ii)

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Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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4.2 Method of propagating the variety

GN 31 Example 1

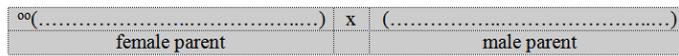
“4.2.1 Seed-propagated varieties

- “(a) Self-pollination []
UPOV-TQ1: 4(2)(I)(a)
- “(b) Cross-pollination []
(i) population []
UPOV-TQ1: 4(2)(I)(b)(i)
(ii) synthetic variety []
UPOV-TQ1: 4(2)(I)(b)(ii)
- “(c) Hybrid []
UPOV-TQ1: 4(2)(I)(c)(i)
{...see GN 32 for example...}

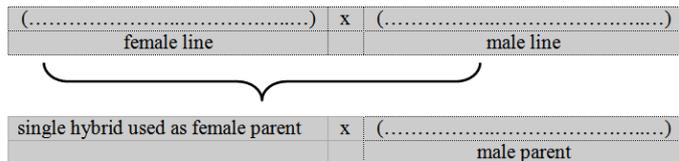
GN 32 (TG Template: Chapter 10: TQ 4.2) – Information on method of propagation of hybrid varieties

“In the case of hybrid varieties the production scheme for the hybrid should be provided on a separate sheet. This should provide details of all the parent lines required for propagating the hybrid e.g.

“Single Hybrid



“Three-Way Hybrid



“and should identify in particular:

- “(a) any male sterile lines
“(b) maintenance system of male sterile lines.”

UPOV-TQ1: 4(2)(I)(c)(ii)

- “(d) Other []
UPOV-TQ1: 4(2)(I)(d)(i)
(please provide details)”
UPOV-TQ1: 4(2)(I)(d)(ii)

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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GN 31 Example 2

“4.2.1 Vegetative propagation

“(a) cuttings []
UPOV-TQ1: 4(2)(II)(a)

“(b) *in vitro* propagation []
UPOV-TQ1: 4(2)(II)(b)

“(c) other []
UPOV-TQ1: 4(2)(II)(c)(i)
(state method)
UPOV-TQ1: 4(2)(II)(c)(ii)

[...]

“4.2.3 Other []”
UPOV-TQ1: 4(2)(III)(i)
(please provide details)”
UPOV-TQ1: 4(2)(III)(ii)

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TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).

UPOV-TQ1: 5

Characteristics	Example Varieties	Note
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UPOV-TQ1: 5 (TG reference) (TQ reference) (TG characteristic number) (TG note)

See Examples A and B at end of Annex II

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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6. Similar varieties and differences from these varieties

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.

Denomination(s) of variety(ies) similar to your candidate variety	Characteristic(s) in which your candidate variety differs from the similar variety(ies)	Describe the expression of the characteristic(s) for the similar variety(ies)	Describe the expression of the characteristic(s) for your candidate variety
GN 33 <i>Example</i>	<i>[e.g. Flower color]</i>	<i>[e.g. orange]</i>	<i>[e.g. orange red]</i>
<i>UPOV-TQ1: 6(a)</i>	<i>UPOV-TQ1: 6(b)</i>	<i>UPOV-TQ1: 6(c)</i>	<i>UPOV-TQ1: 6(d)</i>
<p>Comments: <i>UPOV-TQ1: 6(e)</i></p>			

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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#7. Additional information which may help in the examination of the variety

7.1 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 []
UPOV-TQ1: 7(1)(a)(i) *UPOV-TQ1: 7(1)(b)*
(If yes, please provide details)
UPOV-TQ1: 7(1)(a)(ii)

7.2 Are there any special conditions for growing the variety or conducting the examination?

Yes [] No []
UPOV-TQ1: 7(2)(a)(i) *UPOV-TQ1: 7(2)(b)*
(If yes, please provide details)
UPOV-TQ1: 7(2)(a)(ii)

7.3 Other information
UPOV-TQ1: 7(3)

ASW 16

“A representative color image of the variety should accompany the Technical Questionnaire.”

UPOV-TQ1: 7(4)

8. Authorization for release

(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health?

Yes [] No []
UPOV-TQ1: 8(a)(i) *UPOV-TQ1: 8(a)(ii)*

(b) Has such authorization been obtained?

Yes [] No []
UPOV-TQ1: 8(b)(i) *UPOV-TQ1: 8(b)(ii)*

If the answer to (b) is yes, please attach a copy of the authorization.

UPOV-TQ1: 8(b)(iii)

Authorities may allow certain of this information to be provided in a confidential section of the Technical Questionnaire.

TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:
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9. Information on plant material to be examined or submitted for examination.

9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.

9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:

- | | | |
|---|---|--------|
| (a) Microorganisms (e.g. virus, bacteria, phytoplasma) | Yes [] | No [] |
| | <i>UPOV-TQ1: 9(2)(a)(i) / 9(2)(a)(ii)</i> | |
| (b) Chemical treatment (e.g. growth retardant, pesticide) | Yes [] | No [] |
| | <i>UPOV-TQ1: 9(2)(b)(i) / 9(2)(b)(ii)</i> | |
| (c) Tissue culture | Yes [] | No [] |
| | <i>UPOV-TQ1: 9(2)(c)(i) / 9(2)(c)(ii)</i> | |
| (d) Other factors | Yes [] | No [] |
| | <i>UPOV-TQ1: 9(2)(d)(i) / 9(2)(d)(ii)</i> | |

Please provide details for where you have indicated “yes”.

UPOV-TQ1: 9(2)(e)

.....

ASW 17

“9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens?”

Yes []

UPOV-TQ1: 9(3)(a)(i)

(please provide details as specified by the Authority)

UPOV-TQ1: 9(3)(a)(ii)

No []”

UPOV-TQ1: 9(3)(b)

10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct:

Applicant’s name

UPOV-TQ1: 10(a)

Signature

UPOV-TQ1: 10(b)

Date

UPOV-TQ1: 10(c)

ANNEX II

SET OF STANDARD REFERENCES TO:
DOCUMENT TGP/7 “DEVELOPMENT OF TEST GUIDELINES”
ANNEX I: “TG TEMPLATE”, TECHNICAL QUESTIONNAIRE

(note)

“TQ” is the abbreviation of TGP/7 “Development of Test Guidelines”, Annex I: “TG Template” Technical Questionnaire;

“1” indicates the version of these references (if TGP/7 is revised, the reference may need to change to “TQ2”)

Item in UPOV Model Application Form (Document TGP/7 “Development of Test Guidelines”, Annex I: “TG Template” Technical Questionnaire)	Reference to be quoted in the application form of the authority ^(note)	(Clear cell indicates text to be completed in form. Highlighted cell indicates tick box, declaration or information to be attached)
ASW 13 In the case of hybrid varieties which are the subject of an application for plant breeders’ rights, and where the parent lines are to be submitted as a part of the examination of the hybrid variety, this Technical Questionnaire should be completed for each of the parent lines, in addition to being completed for the hybrid variety.	UPOV-TQ1: ASW 13	to be provided, if appropriate
1. Subject of the Technical Questionnaire: Botanical name	UPOV-TQ1: 1(a)	
1. Subject of the Technical Questionnaire: Common name	UPOV-TQ1: 1(b)	
2. Applicant: Name	UPOV-TQ1: 2(a)	
2. Applicant: Address	UPOV-TQ1: 2(b)	
2. Applicant: Telephone No.	UPOV-TQ1: 2(c)	
2. Applicant: Fax No.	UPOV-TQ1: 2(d)	
2. Applicant: E-mail address	UPOV-TQ1: 2(e)	
2. Applicant: Breeder (if different from applicant)	UPOV-TQ1: 2(f)	
3. Proposed denomination and breeder’s reference: Proposed denomination (if available)	UPOV-TQ1: 3(a)	
3. Proposed denomination and breeder’s reference: Breeder’s reference	UPOV-TQ1: 3(b)	
4. Information on the breeding scheme and propagation of the variety 4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (a) controlled cross (yes)	UPOV-TQ1: 4(1)(I)(a)(i)	[]

<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (a) controlled cross: please state parent varieties: female parent</p>	<p>UPOV-TQ1: 4(1)(I)(a)(ii)</p>	
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (a) controlled cross: please state parent varieties: male parent</p>	<p>UPOV-TQ1: 4(1)(I)(a)(iii)</p>	
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (b) partially known cross (yes)</p>	<p>UPOV-TQ1: 4(1)(I)(b)(i)</p>	<p>[]</p>
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (b) partially known cross: please state known parent variety(ies): female parent</p>	<p>UPOV-TQ1: 4(1)(I)(b)(ii)</p>	
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (b) partially known cross: please state known parent variety(ies): male parent</p>	<p>UPOV-TQ1: 4(1)(I)(b)(iii)</p>	
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.1 Crossing (c) unknown cross (yes)</p>	<p>UPOV-TQ1: 4(1)(I)(c)</p>	<p>[]</p>
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.2 Mutation (yes)</p>	<p>UPOV-TQ1: 4(1)(II)(i)</p>	<p>[]</p>
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.2 Mutation: please state parent variety</p>	<p>UPOV-TQ1: 4(1)(II)(ii)</p>	
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.3 Discovery and development: (yes)</p>	<p>UPOV-TQ1: 4(1)(III)(i)</p>	<p>[]</p>
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.3 Discovery and development: please state where and when discovered and how developed</p>	<p>UPOV-TQ1: 4(1)(III)(ii)</p>	
<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.4 Other: (yes)</p>	<p>UPOV-TQ1: 4(1)(IV)(i)</p>	<p>[]</p>

<p>4.1 Breeding scheme Variety resulting from: ASW 15 4.1.4 Other: please provide details</p>	<p>UPOV-TQ1: 4(1)(IV)(ii)</p>	
<p>4. Information on the breeding scheme and propagation of the variety 4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (a) Self-pollination (yes)</p>	<p>UPOV-TQ1: 4(2)(I)(a)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (b) Cross-pollination (i) population (yes)</p>	<p>UPOV-TQ1: 4(2)(I)(b)(i)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (b) Cross-pollination (ii) synthetic variety (yes)</p>	<p>UPOV-TQ1: 4(2)(I)(b)(ii)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (c) Hybrid (yes)</p>	<p>UPOV-TQ1: 4(2)(I)(c)(i)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (c) Hybrid</p> <p><small>GN 32 (TG Template: Chapter 10: TQ 4.2) – Information on method of propagation of hybrid varieties</small></p> <p><small>"In the case of hybrid varieties the production scheme for the hybrid should be provided on a separate sheet. This should provide details of all the parent lines required for propagating the hybrid e.g.</small></p> <p><small>"Single Hybrid</small></p> <div data-bbox="183 1220 667 1261" style="border: 1px solid black; padding: 2px;"> <p><small>see (.....) x (.....)</small></p> <p style="text-align: center;"><small>female parent male parent</small></p> </div> <p><small>"Three-Way Hybrid</small></p> <div data-bbox="183 1317 667 1357" style="border: 1px solid black; padding: 2px;"> <p><small>(.....) x (.....)</small></p> <p style="text-align: center;"><small>female line male line</small></p> </div> <div data-bbox="183 1397 667 1438" style="border: 1px solid black; padding: 2px;"> <p><small>single hybrid used as female parent x (.....)</small></p> <p style="text-align: center;"><small>male parent</small></p> </div> <p><small>"and should identify in particular:</small></p> <p><small>"(a) any male sterile lines</small></p> <p><small>"(b) maintenance system of male sterile lines."</small></p>	<p>UPOV-TQ1: 4(2)(I)(c)(ii)</p>	
<p>4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (d) Other: (yes)</p>	<p>UPOV-TQ1: 4(2)(I)(d)(i)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex1 4.2.1 Seed-propagated varieties (d) Other: please provide details</p>	<p>UPOV-TQ1: 4(2)(I)(d)(ii)</p>	
<p>4.2 Method of propagating the variety GN 31 Ex2 4.2.1 Vegetatively propagated varieties: (a) cuttings (yes)</p>	<p>UPOV-TQ1: 4(2)(II)(a)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex2 4.2.1 Vegetatively propagated varieties: (b) <i>in vitro</i> propagation (yes)</p>	<p>UPOV-TQ1: 4(2)(II)(b)</p>	<p>[]</p>

<p>4.2 Method of propagating the variety GN 31 Ex2 4.2.1 Vegetatively propagated varieties: (c) other (yes)</p>	<p>UPOV-TQ1: 4(2)(II)(c)(i)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex2 4.2.1 Vegetatively propagated varieties: (c) other state method</p>	<p>UPOV-TQ1: 4(2)(II)(c)(ii)</p>	
<p>4.2 Method of propagating the variety GN 31 Ex2 4.2.3 Other yes</p>	<p>UPOV-TQ1: 4(2)(III)(i)</p>	<p>[]</p>
<p>4.2 Method of propagating the variety GN 31 Ex2 4.2.3 Other please provide details</p>	<p>UPOV-TQ1: 4(2)(III)(ii)</p>	
<p>5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds).</p>	<p>UPOV-TQ1: 5 (TG reference) (TQ reference) (TG characteristic number) (TG note) -see <i>Example A and B at end of Annex IV</i></p>	
	<p>etc.</p>	
<p>6. Similar varieties and differences from these varieties: Denomination(s) of variety(ies) similar to your candidate variety</p>	<p>UPOV-TQ1: 6(a)</p>	
<p>6. Similar varieties and differences from these varieties: Characteristic(s) in which your candidate variety differs from the similar variety(ies)</p>	<p>UPOV-TQ1: 6(b)</p>	
<p>6. Similar varieties and differences from these varieties: Describe the expression of the characteristic(s) for the similar variety(ies)</p>	<p>UPOV-TQ1: 6(c)</p>	
<p>6. Similar varieties and differences from these varieties: Describe the expression of the characteristic(s) for your candidate variety</p>	<p>UPOV-TQ1: 6(d)</p>	
<p>6. Similar varieties and differences from these varieties: Comments</p>	<p>UPOV-TQ1: 6(e)</p>	
<p>7. Additional information which may help in the examination of the variety 7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? Yes</p>	<p>UPOV-TQ1: 7(1)(a)(i)</p>	<p>[]</p>

7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? If yes, please provide details	UPOV-TQ1: 7(1)(a)(ii)	
7.1 In addition to the information provided in sections 5 and 6, are there any additional characteristics which may help to distinguish the variety? No	UPOV-TQ1: 7(1)(b)	[]
7. Additional information which may help in the examination of the variety 7.2 Are there any special conditions for growing the variety or conducting the examination? Yes	UPOV-TQ1: 7(2)(a)(i)	[]
7.2 Are there any special conditions for growing the variety or conducting the examination? If yes, please provide details	UPOV-TQ1: 7(2)(a)(ii)	
7.2 Are there any special conditions for growing the variety or conducting the examination? No	UPOV-TQ1: 7(2)(b)	[]
7. Additional information which may help in the examination of the variety 7.3 Other information	UPOV-TQ1: 7(3)	
7. Additional information which may help in the examination of the variety ASW 16 A representative color image of the variety should accompany the Technical Questionnaire	UPOV-TQ1: 7(4)	to be provided
8. Authorization for release (a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? Yes	UPOV-TQ1: 8(a)(i)	[]
8. Authorization for release (a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? No	UPOV-TQ1: 8(a)(ii)	[]
8. Authorization for release (a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? (Yes) (b) Has such authorization been obtained? Yes	UPOV-TQ1: 8(b)(i)	[]
8. Authorization for release (a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? (Yes) (b) Has such authorization been obtained? No	UPOV-TQ1: 8(b)(ii)	[]

<p>8. Authorization for release</p> <p>(a) Does the variety require prior authorization for release under legislation concerning the protection of the environment, human and animal health? (Yes)</p> <p>(b) Has such authorization been obtained? (Yes)</p> <p>If the answer to (b) is yes, please attach a copy of the authorization.</p>	UPOV-TQ1: 8(b)(iii)	to be provided
<p>9. Information on plant material to be examined or submitted for examination.</p> <p>9.1 The expression of a characteristic or several characteristics of a variety may be affected by factors, such as pests and disease, chemical treatment (e.g. growth retardants or pesticides), effects of tissue culture, different rootstocks, scions taken from different growth phases of a tree, etc.</p> <p>9.2 The plant material should not have undergone any treatment which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If the plant material has undergone such treatment, full details of the treatment must be given. In this respect, please indicate below, to the best of your knowledge, if the plant material to be examined has been subjected to:</p>		
<p>(a) Microorganisms (e.g. virus, bacteria, phytoplasma)</p> <p>Yes</p>	UPOV-TQ1: 9(2)(a)(i)	[]
<p>(a) Microorganisms (e.g. virus, bacteria, phytoplasma)</p> <p>No</p>	UPOV-TQ1: 9(2)(a)(ii)	[]
<p>(b) Chemical treatment (e.g. growth retardant, pesticide)</p> <p>Yes</p>	UPOV-TQ1: 9(2)(b)(i)	[]
<p>(b) Chemical treatment (e.g. growth retardant, pesticide)</p> <p>No</p>	UPOV-TQ1: 9(2)(b)(ii)	[]
<p>(c) Tissue culture</p> <p>Yes</p>	UPOV-TQ1: 9(2)(c)(i)	[]
<p>(c) Tissue culture</p> <p>No</p>	UPOV-TQ1: 9(2)(c)(ii)	[]
<p>(d) Other factors</p> <p>Yes</p>	UPOV-TQ1: 9(2)(d)(i)	[]
<p>(d) Other factors</p> <p>No</p>	UPOV-TQ1: 9(2)(d)(ii)	[]
<p>Please provide details for where you have indicated “yes”.</p>	UPOV-TQ1: 9(2)(e)	
<p>9. Information on plant material to be examined or submitted for examination.</p> <p>ASW 17 9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens?</p> <p>Yes</p>	UPOV-TQ1: 9(3)(a)(i)	[]

<p>9. Information on plant material to be examined or submitted for examination.</p> <p>ASW 17 9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens? (Yes): Please provide details as specified by the Authority</p>	<p>UPOV-TQ1: 9(3)(a)(ii)</p>	
<p>9. Information on plant material to be examined or submitted for examination.</p> <p>ASW 17 9.3 Has the plant material to be examined been tested for the presence of virus or other pathogens? No</p>	<p>UPOV-TQ1: 9(3)(b)</p>	<p>[]</p>
<p>10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct: Applicant's name</p>	<p>UPOV-TQ1: 10(a)</p>	
<p>10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct: Signature</p>	<p>UPOV-TQ1: 10(b)</p>	
<p>10. I hereby declare that, to the best of my knowledge, the information provided in this form is correct: Date</p>	<p>UPOV-TQ1: 10(c)</p>	

Example A

TG/11/8
Rose, 2006-04-05
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TECHNICAL QUESTIONNAIRE	Page {x} of {y}	Reference Number:	
<p>5. Characteristics of the variety to be indicated (the number in brackets refers to the corresponding characteristic in Test Guidelines; please mark the note which best corresponds). UPOV-TQ1: 5</p>			
Characteristics	Example Varieties	Note	
<p>5.4 (26) Flower: diameter</p> <p>very small</p> <p>UPOV-TQ1: 5(TG/11/8)(5.4)(26)(1)</p> <p>small</p> <p>UPOV-TQ1: 5(TG/11/8)(5.4)(26)(3)</p> <p>medium</p> <p>etc.</p> <p>large</p> <p>very large</p>	<p>Noastrauss (G); Poulset (P)</p> <p>Interlis (C); Clb.canibo 82 (G); Meiraktas (P)</p> <p>Schremna (C); Poulberg (G); Ruiz1491 (P)</p> <p>Selaurum (C); Adesmanod (G); Korewala (P)</p> <p>Koranderer (G); Evera116 (P)</p>	<p>1[]</p> <p>3[]</p> <p>5[]</p> <p>7[]</p> <p>9[]</p>	

Example B

(TG/11/8)
Rose/Rosier/Rose/Rosal, 2006-04-05
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English	français	deutsch	español	Example Varieties/ Exemples/ Beispielsorten/ Variedades ejemplo	Note/ Nota
51. Outer stamen: predominant color of filament	Étamine extérieure: couleur prédomi- nante des filets	Äußeres Staubblatt: überwiegende Farbe des Staubfadens	Estambre exterior: color predominante del filamento		
PQ (b) white	blanche	weiß	blanco	Helklewi (G); Koralbavan (P)	(1)
UPOV-TQ1: 5(TG/11/8)(-)¹(51)(1)					
green	verte	grün	verde	Interlis (C); Kornemuta (G); Kornemut (P)	2
light yellow	jaune clair	hellgelb	amarillo claro	Pouljill (G)	3
medium yellow	jaune moyen	mittelgelb	amarillo medio	Korplapei (C); Meikrotal (G); Meirosfon (P)	4
orange	orange	orange	naranja	Ruiy5451 (C); Ruiskopoul (G); Everrom (P)	5
pink	rose	rosa	rosa	Korfasso (G); Ruiowko (P)	6
red	rouge	rot	rojo	Predesplen (C); Pekoucan (G); Espever (P)	7
brown red	rouge-brun	braunrot	rojo pardo	Schweizer Woche (G)	8
purple	pourpre	purpurn	púrpura	Heltscher (G); Ruiovat (P)	9

¹ Characteristic not included in Technical Questionnaire