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UPOV

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

TECHNICAL COMMITTEE

Forty-Third Session
Geneva, March 26 to 28, 2007

REPORT ON THE CONCLUSIONS

adopted by the Technical Committee

Opening of the Session

1. The Technical Committee (TC) held its forty-third session in Geneva from March 26 to 28, 2007. The list of participants is reproduced in Annex I to this report.

2. The session was opened by Mrs. Julia Borys (Poland), Chairperson of the TC, who welcomed the participants, especially those from Morocco and Viet Nam, which had become members of the Union since the forty-second session of the TC, held in Geneva from April 3 to 5, 2006, taking the number of members of the Union to 63. She noted that, in addition, Ukraine had acceded to the 1991 Act of the UPOV Convention since that session.

Adoption of the Agenda

3. The TC adopted the agenda as presented in document TC/43/1, with the amendment under agenda item 6 (b) that the document reference for TGP/12 "Special Characteristics" be changed from "TGP/12/1 Draft 2" to "TGP/12/1 Draft 1". It was also agreed that, in order to prioritize the available time with respect to agenda item 6 "TGP documents", the documents falling within Section (c) "Revision of TGP documents" should be considered before those within Section (b) "Other TGP documents".

Report on Developments in UPOV Including Relevant Matters Discussed in the Last Sessions of the Administrative and Legal Committee, the Consultative Committee and the Council

4. The Vice Secretary-General provided an oral report on the fifty-third and fifty-fourth sessions of the Administrative and Legal Committee (CAJ), the seventy-first and the seventy-second sessions of the Consultative Committee and the twenty-third extraordinary session and the fortieth ordinary session of the Council.

Progress reports on the work of the Technical Working Parties, including the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular

5. The TC received oral reports, from the Chairpersons, on the work of the Technical Working Party for Agricultural Crops (TWA), the Technical Working Party on Automation and Computer Programs (TWC), the Technical Working Party for Fruit Crops (TWF), the Technical Working Party for Ornamental Plants and Forest Trees (TWO), the Technical Working Party for Vegetables (TWV) and the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT).

Matters arising from the Technical Working Parties

6. The TC considered document TC/43/3.

Drafting Test Guidelines

7. The TC noted the plans for the Office of the Union (the Office) to improve the user-friendliness of the electronic template for drafters of Test Guidelines, as set out in document TC/43/3, paragraph 11. The TC also agreed with the proposal of the Office to develop two versions of the electronic template: Version 1, with no Additional Standard Wording (ASW); and Version 2, with all ASW included (see paragraph 12) and with the proposal of the Office to develop a practical guide for drafters of Test Guidelines.

Development of COY

8. The TC agreed to the TWC proposal that new versions of documents TWC/24/10 “Influence of number of plants per plot on the assessment of uniformity and distinctness for quantitative characteristics in rape seed and yellow mustard” and document TWC/24/12 “The possibility of reducing the number of assessed plants for quantitative characteristics for reference varieties”, be presented to all Technical Working Parties (TWPs) at their sessions in 2007.

Exchangeable Software and TWC Documents

9. The TC noted the TWC proposal for a prototype of a database to search for TWC documents to be presented to other TWPs for comments. However, the TC agreed that the TWC should be invited to note the concerns expressed at the TC, in particular the need for care with regard to the use of TWP session documents, which it was noted did not represent an agreed UPOV position and did not contain comments made on those documents by the relevant UPOV bodies. The Technical Director noted that the introduction of a new database

would imply additional resources from the Office and he wondered if there would be concrete benefits to justify the diversion of resources from other UPOV activities.

TGP documents

10. The TC discussed the development of the TGP documents on the basis of document TC/43/5.

(a) TGP documents to which the Technical Committee has given highest priority

TGP/4: Constitution and Management of Variety Collections

11. The TC agreed the following amendments to document TGP/4/1 Draft 9:

Section	*Comment*
General	"*[cross ref.]"* and endnotes to be deleted
Title	title to read "TGP/4 Constitution and Maintenance of Variety Collections"
2.1.1.2	final sentence to read: "Consultation of plant experts may enable the completeness of the information to be improved."
2.2.1.5	to insert space between "varieties of common knowledge in the" and "variety"
2.2.2.2	to insert space between "the" and "territory"
3.1.2.1	final sentence to read: "For the purposes of this document, maintenance of living plant material refers to the way the living plant material is maintained in storage (e.g. seed) or under cultivation (e.g. vegetatively propagated varieties)."
3.1.2.5.1	to amend "to maintain its usefulness" to "to ensure its usefulness"
3.2.2.2	to replace "variety of common knowledge" with "varieties of common knowledge"
3.2.2.2	to delete ", according to the agreement between them"

12. The TC agreed that document TGP/4/1 Draft 9, as amended above, should be the basis for adoption of document TGP/4/1 by the Council, as set out in document TC/43/5, paragraph 8.

TGP/9: Examining Distinctness

13. The TC agreed the following amendments to document TGP/9/1 Draft 9:

Section	*Comment*
General	"*[cross ref.]"* and endnotes to be deleted. To note that the Table of Contents will be updated to reflect the changes in the document.

Section	*Comment*
2.3.2.1	to delete ", for which the states of expression are particularly influenced by the environment"
2.3.3	to read: "2.3.3 <u>Grouping on the basis of other characteristics, or in the absence of UPOV Test Guidelines</u> The criteria set out in Section 2.3.1.2 *[cross ref.]* can be used to identify other characteristics which may be useful for grouping."
2.3.4.2, 2.3.4.3	to keep "the states of expressions of" (to remove the square brackets around the text)
2.4.1	to delete "differences" after "known to be clear and consistent" in the penultimate sentence
2.5.2	to read "Document TGP/7 indicates that, where useful for the DUS examination, the UPOV Test Guidelines may require that a representative color photograph of the variety accompanies the information provided in the Technical Questionnaire. In such cases, it is recommended that guidance be provided by the authority to enhance the usefulness of the photograph (e.g. to include a metric scale and a color scale in the picture, to define what parts of the plant should be included, to specify the light conditions and the background color, etc). However, the use of photographs for selecting varieties for the growing trial should take into account that, despite such guidance and the best endeavors of the breeder, photographs may not always accurately reflect the characteristics of the variety."
4.3.2.1	to replace "for most qualitative and pseudo-qualitative characteristics in cross-pollinated varieties" with "are often fulfilled for qualitative and pseudo-qualitative characteristics in cross-pollinated varieties"
4.3.2.1	last sentence to read "In the case of some quantitative characteristics in self-pollinated and vegetatively propagated varieties, it may be appropriate to obtain records for single, individual plants or parts of plants (S) (see Section 4.3.3)."
4.3.2.3	to read "The record (G) may result from an overall observation of a plot (e.g. leaf color, time of beginning of flowering) or it may result from an overall observation of parts of plants taken from a group of plants (e.g. color of lower side of leaf, hairiness of sheath of lowest leaf). […]"
4.3.3	to change "may be used to calculate a mean value" to "may be used solely to calculate a mean value"
4.3.3.1	title: to change "to calculate variety mean value" to "solely to calculate variety mean value"
4.3.3.2	Example (MS): final sentence to read: "The value of each plant is used for calculation of the mean and to estimate random variation in order to assess distinctness."

Section	*Comment*
4.3.3.2	Example (VS): final sentence to read: "The value of each plant is used for calculation of the mean and to estimate random variation in order to assess distinctness."
5.2.1.2	first sentence to read: "The choice of approach or combination of approaches for the assessment of distinctness, which is influenced by the features of propagation of the variety and the type of expression of the characteristic, determines the method of observation and type of record (VG, MG, VS or MS)."
5.2.3.2.2.3	to read: "The following examples illustrate why deciding on the difference in the number of Notes required between varieties to establish distinctness needs particular care: […]"
[gg]5.4	"5.4 Techniques for assessing distinctness based on the growing trial" to be deleted in addition to the text already shown in strikethrough

14. The TC agreed that document TGP/9/1 Draft 9, as amended above, should be the basis for adoption of document TGP/9/1 by the Council, as set out in document TC/43/5, paragraph 11.

TGP/10: Examining Uniformity

15. The TC agreed the following amendments to document TGP/10/1 Draft 6:

Section	*Comment*
General	"range of variation" to be replaced by "level of variation", with a footnote to be added explaining why a different term has been used compared to the term in the General Introduction (see also comments to Sections 2.3.2 and 2.3.3).
1.2	it was agreed that the next draft of TGP/10 would contain an indication to continue discussion on the final sentence (shown in strikethrough) or an alternative wording for that sentence
2.3.1(c)	final sentence to read "In relation to self-pollinated and vegetatively propagated varieties a higher genetic variation is accepted;"
2.3.2	to read "However, where the level of variation within a variety is greater…"
2.3.2, 2.3.3	to replace "overall range" with "level"
4.3.2.4	fifth sentence to read "In that respect, atypical expression in a relevant characteristic caused by genetic factors, such as mutation, on any part of the plant are very likely to lead to the whole plant being considered an off-type."
4.5.1.1	last sentence to read "The probability of correctly accepting a variety with the population standard of off-types as uniform is called the 'acceptance probability'."

Section	*Comment*
4.5.1.4, 4.5.1.5	to consider the following alternative wording on the basis that it indicates that the selection of the population standard and acceptance probability is the primary consideration for uniformity: "4.5.1.4 The UPOV Test Guidelines recommend for [a] particular type[s] of variety a general, i.e. 'fixed', population standard and acceptance probability and provide the maximum acceptable number of off-types for a given sample size. The population standard and acceptance probability, together with the sample size and the maximum number of off-types, are selected on the basis of experience, in particular with reference to other UPOV Test Guidelines for comparable types of variety." "4.5.1.5 In the absence of UPOV Test Guidelines, an appropriate population standard and acceptance probability, together with the maximum acceptable number of off-types and sample size, are selected on the basis of experience, in particular with reference to UPOV Test Guidelines for comparable types of variety."
5.1	to replace "wide range" with "high level"
5.2.1	to replace "comparable" with another term such as "comparator", "established" etc.
5.2.2	last sentence to read "This COYU procedure calculates a tolerance limit on the basis of comparable varieties and uniformity is assessed using a relative tolerance limit based on varieties within the same trial with comparable expression of characteristics."
6	title of section to be amended to reflect better the contents of the section

16. The TC agreed that a new draft of TGP/10 should be considered by the TWPs at their sessions in 2007.

(b) Revision of TGP documents

TGP/5: Experience and Cooperation in DUS Testing

17. The TC agreed the following amendments to Sections 1 to 7 of document TGP/5:

Reference	*Comment*
General	to review the use of the term "official register" to reflect the fact that some authorities consider that the term "official" also covers registries for plant breeders' rights. To consider, in particular, the option to indicate the term "other" before "official", the option for authorities to complete the relevant part of the forms with the appropriate term for their territory and to take into account that the terms "Official National List" and "Official National Catalogue" are used by the Organisation for Economic Co-operation and Development (OECD).

Section 1/2 Draft 1: Model Administrative Agreement for International Cooperation in the Testing of Varieties	
Preamble	to add an indication that the use of the Model Administrative Agreement was not a prerequisite for international cooperation and that, for example, it was possible to purchase DUS reports without such an agreement.

Section 2/2 Draft 1: UPOV Model Form for the Application for Plant Breeders' Rights	
8.	to indicate that the Authority should delete the appropriate term and to check the position of the tick boxes
9 (a)	to add "in" after "completed"

Section 4/2 Draft 1: UPOV Model Form for the Designation of the Sample of the Variety	
2.	to clarify that the form is not intended for official registration (national list) purposes and to review the use of the term "official registration" (see general comment concerning TGP/5 above)

Section 5/2 Draft 1	
UPOV Request for Examination Results	
new line (after 7.)	to indicate the UPOV code
9.	to include an option for applicant
new line	to indicate where the invoice should be sent
UPOV Answer to the Request for Examination Results	
5 (b)	to provide an option for the invoice to be sent to a relevant party other than the applicant

Section 6/2 Draft 1	
UPOV Report on Technical Examination	
new line (after 9.)	to indicate the UPOV code
UPOV Variety Description	
new line (after 6.)	to indicate the UPOV code
17.	to include an option for photographs to be provided
new line	to consider whether to add a section specifying the varieties included in the DUS test

Section 7/2 Draft 1: UPOV Interim Report on Technical Examination	
General	to include the possibility to attach an annex to report on problems

18. The TC thanked the International Seed Federation (ISF) for its presentation on a proposal for the development of an electronic application form and technical questionnaire and noted that a copy of the presentation would be posted on the ISF website (www.worldseed.org). The TC noted that any developments should take into account the initiatives by a number of the members of the Union to develop on-line application facilities. The Vice Secretary-General welcomed the initiative of ISF and looked forward to investigating ways in which this matter could be taken forward in the most appropriate and beneficial way, within UPOV's resources. In that respect, the Vice Secretary-General informed the TC that, at its fifty-fifth session, to be held in Geneva on March 29, 2007, the CAJ would be considering the possibility to invite ISF to make a similar presentation to the CAJ in October 2007.

19. With regard to TGP/5 Section 10/1 "Notification of Additional Characteristics", the TC noted that no additional characteristics had been notified to the Office of the Union, but considered that the system was very useful and agreed to retain Section 10 in document TGP/5.

20. The TC noted the invitation in document TC/43/5, paragraph 31, for members of the Union to provide examples of contracts / agreements between authorities and breeders for inclusion in a new section of TGP/5. The Delegation of the European Community indicated that it had agreements on the transfer of material between authorities, which it would be willing to provide, if those agreements were considered to be relevant. A representative of ISF offered to provide examples of contracts/agreements between breeders and authorities if that information could be included in TGP/5. The Office observed that such examples should have the consent of the relevant authorities. ISF acknowledged that requirement and noted that the consent of the breeders would also be required in the case of an example agreement concerning a particular breeder.

TGP/7: Development of Test Guidelines

21. The TC noted the proposals previously made with regard to the revision of document TGP/7/1, as set out in Annex I to document TC/43/5.

22. The Chairperson recalled that, during its discussions on the drafts of document TGP/7, the TC had agreed that a new section should be developed to provide guidance on the development of individual authority Test Guidelines from UPOV Test Guidelines.

23. With regard to Technical Questionnaire characteristics which did not have an asterisk in the Table of Characteristics, as set out in document TC/43/5, paragraph 35, the TC agreed that where information on such characteristics was to be requested in the Technical Questionnaire, that information should be requested in Section 7 of the Technical Questionnaire (Additional information which may help in the examination of the variety), rather than in Section 5 (Characteristics of the variety to be indicated). In that respect, it noted that the information in Section 7 was provided at the discretion of the breeder/applicant. The TC agreed that that approach should be applied to the draft Test Guidelines for Spinach, document TG/55/7(proj.3), characteristics 18 (Resistance to *Peronospora farinosa* f. *spinaciae*) and

19 (Resistance to Cucumber mosaic virus (CMV)) and should also be considered in respect of the revision of TGP/7.

24. In addition, the TC agreed that the following matters should also be considered in the revision of TGP/7:

(a) elaboration of the two uses of the grouping characteristics, i.e.

> TGP/7/1, Annex I: TG Template: Chapter 5.2
>
> "(a) to select, either individually or in combination with other such characteristics, varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness"; and
>
> "(b) to organize the growing trial so that similar varieties are grouped together".
> [underlining added for emphasis];

and to consider indicating in Chapter 5.3 of the Test Guidelines for which of those purposes the grouping characteristics were intended;

(b) the development of a simple, generalized growth stage key for use in Test Guidelines covering crops and species for which a suitable growth stage key had not been published; and

(c) in relation to the indications used in UPOV Test Guidelines for the method of observation and the type of record for the examination of distinctness (VG, VS, MG, MS), to consider revising document TGP/7/1 in line with the text adopted in document TGP/9/1 (see document TGP/9/1 Draft 9, Section 4.4).

25. In relation to Section 6 "Combining observations for all characteristics" in document TGP/10, the TC agreed that it would be necessary to consider the possible inclusion of that matter in the revision of document TGP/7/1 at its next session, when the development of that section of document TGP/10 would be more advanced.

(c) Other TGP documents

TGP/8: Use of Statistical Procedures in DUS Testing

26. The TC considered the proposed structure and content of document TGP/8, as set out in document TC/43/5, Annex II, and agreed the following:

Section	*Comment*
Part II	to add a new section for multiple range tests, subject to models and assumptions being provided to the TWC for consideration.

TGP/12: Special Characteristics

27. The TC did not consider document TGP/12/1 Draft 1 in detail, but agreed the following amendment:

Section	*Comment*
2.	to add a section (as found in Section 3) explaining that "UPOV has also considered the possibility of using gene-specific molecular markers as a predictor of traditional characteristics in order to avoid the need for examination in a growing trial of characteristics which may be difficult and/or expensive to observe in a growing trial. The situation in UPOV concerning the use of such an approach, known as an 'Option 1(a)' approach, is set out in documents TC/38/14 -CAJ/45/5 and TC/38/14 Add.-CAJ/45/5 Add.. Those documents clarify that a number of assumptions would need to be checked before the use of such an approach, including the need to establish that there was a reliable linkage between any gene-specific marker and the expression of the disease resistance concerned [and that different genes lead to different genotypic expressions]"

TGP/13: Guidance for New Types and Species

28. The TC did not consider document TGP/13/1 Draft 8 in detail and made no proposals concerning the text.

TGP/14: Glossary of Technical, Botanical and Statistical Terms Used in UPOV Documents

29. The TC considered the proposed structure and content of document TGP/14, as set out in document TC/43/5, Annex III and agreed the following :

Section	*Comment*
Section 1	to review the title of the section if the content extends beyond technical terms, as was the case in the terms currently included

(d) Program for the development of TGP documents

30. The TC agreed the program for the development of TGP documents as set out in document TC/43/5, Annex IV.

UPOV information databases

GENIE database

31. The TC noted the plans to launch the GENIE database on the freely accessible area of the UPOV website, as reported to the TC at its forty-third session.

UPOV Code System

32. The TC considered document TC/43/6.

33. The TC agreed to the amendment to Section 3.3 (d) of the Annex to document TC/43/6, as set out in paragraph 7) of that document. It also agreed with respect to the Annex to document TC/43/6, that "Triticale" should be amended to read "×*Triticosecale*" in Section 2.2.2 and that "draft" should be amended to "create" in Section 3.3 (a).

34. The TC requested the TWPs to consider the possibility of allowing flexibility in the species element of the UPOV code in order to cover a classification into, for example, subgenera and/or sections, between the genus and species level of classification, taking into account the example in document TC/43/6, paragraphs 8 and the grouping classification for *Brassica* and *Beta*, set out in document TC/43/6, Annex, Section 2.3.

35. The TC noted the plans for the checking of UPOV codes by the TWPs, as set out in document TC/43/6, paragraph 10.

36. The TC agreed to the posting of the Annex to document TC/43/6 on the freely accessible area of the UPOV website as set out in document TC/43/6, paragraph 11, subject to the amendments agreed by the TC at its forty-third session.

UPOV-ROM Plant Variety Database (UPOV-ROM)

37. The TC noted the plans concerning the Plant Variety Database as set out in document TC/43/6. The TC heard that, with regard to the inclusion of UPOV codes in the data submitted for the UPOV-ROM, around 60% of the entries contained in the UPOV-ROM had been supplied with UPOV codes. Almost all of the data provided to UPOV via the Community Plant Variety Office (CPVO) had been UPOV coded, in particular the data from the European Community, most of the member States of the European Community, Norway and Switzerland. In addition, Canada, the Russian Federation and South Africa were already providing UPOV codes for all their entries.

38. The representative of the OECD explained the interest of the OECD in the UPOV-ROM Plant Variety Database and invited the UPOV Office to make a presentation on the UPOV-ROM and the GENIE database at the annual meeting of the OECD Seed Schemes in July 2007.

Molecular techniques (documents TC/43/7 and BMT Guidelines (proj.8))

39. The TC considered document TC/43/7.

Guidelines for Molecular Marker Selection and Database Construction (BMT Guidelines)

40. The TC agreed the following amendments to document BMT Guidelines (proj.8):

Section	*Comment*
6.3.1 (c)	to change "locus" to "allele", subject to confirmation by Mr. Sylvain Grégoire (France), the drafter of that section.

41. The TC agreed that, subject to the amendments above, document BMT Guidelines (proj.8) should be put forward for adoption by the Council at its forty-first ordinary session, to be held in Geneva on October 25, 2007;

42. The TC agreed that relevant experts be invited to make a presentation concerning ISO and Codex guidelines, in relation to quality criteria in molecular techniques, at the eleventh session of the BMT.

43. With regard to a practical exercise in the development of an exchangeable database, as set out in document TC/43/7, paragraphs 6 and 7, the TC agreed that the BMT Crop Subgroups for Rose, for Potato and for Oilseed Rape should be invited to consider how to take that matter forward. With respect to the terms of reference for such an exercise, the TC agreed that the exercise should consider both the quality and structure of the data.

Possible Use of Molecular Tools for Variety Identification in Relation to the Enforcement of Plant Breeders' Rights, Technical Verification and the Consideration of Essential Derivation

44. The TC noted the conclusion of the Consultative Committee that the role of the BMT enabled it to provide a forum for discussion on the use of biochemical and molecular techniques in the consideration of variety identification without a need for a change to the existing terms of reference and also noted that an overview of the UPOV bodies involved in the consideration of biochemical and molecular techniques has been provided on the first restricted area of the UPOV website. The TC noted the importance of the BMT Crop Subgroups as a forum for DUS experts and molecular specialists to consider matters at a crop specific level. The TC noted the importance of the TWPs in the consideration of biochemical and molecular techniques and the contact between other UPOV bodies dealing with those matters. It noted the importance of communication between the TWPs, BMT, TC, CAJ and the Council within the existing UPOV structure.

45. The Chairperson noted that there was a mistake in the French version of document TC/43/7, where the word "caractérisation" should be replaced by "identification" in the title and in paragraphs 9, 10, 12 and 16.

Proposals Concerning the BMT and the Ad Hoc Crop Subgroups on Molecular Techniques (Crop Subgroups)

46. The TC noted the intention to provide information at the forty-first session of the TWV on work in relation to the use of molecular markers, in particular in relation to disease resistance. The Delegation of Spain noted, with respect to document TC/43/7, paragraph 18, that the experts from Spain would provide information on both pepper and tomato at the forty-first session of the TWV.

47. The TC agreed that specific sessions should be organized at the BMT for vegetatively propagated, self-pollinated and cross-pollinated crops and, on that basis, agreed to discontinue the Vegetatively Propagated Crop Subgroup. The TC noted the intention, at the eleventh session of the BMT, to dedicate a specific day to the items concerning "The use of molecular techniques in the consideration of essential derivation" and "The use of molecular techniques in variety identification".

48. The TC noted the support of the TWA for the work of the Crop Subgroups and noted that the TWA would be invited to propose a new Chairperson for the Crop Subgroup for Wheat and Barley at its thirty-sixth session. The TC noted the planned program for meetings of the Crop Subgroups for Potato, Rose and Maize.

49. The TC agreed to invite the Crop Subgroups to develop proposals concerning the possible use of molecular tools for variety identification in relation to the enforcement of plant breeders' rights, technical verification and the consideration of essential derivation.

Variety denominations

50. The TC noted the developments reported in document TC/43/8.

Publication of variety descriptions

51. The TC considered document TC/43/9.

52. The TC noted the report on developments in the *Ad hoc* Working Group on the Publication of Variety Descriptions (WG-PVD), CAJ and TWPs, as presented in document TC/43/9 and the list of criteria for the use of descriptions obtained from different locations and sources, as set out in the Annex to document TC/43/9 and agreed to the amendments proposed in paragraphs 17 and 18 of document TC/43/9.

53. The TC noted that the work in the TWV would be reported at the forty-fourth session of the TC and agreed that no further meeting of the WG-PVD should be arranged unless or until specific proposals were developed for the consideration of the WG-PVD by the TC or by a TWP.

Preparatory workshops

54. The TC noted the report of the preparatory workshops held in 2006 and the proposals for the proposed program for 2007 as set out in document TC/43/10.

55. The TC noted that there would be a full day event held in conjunction with the thirty-eighth session of the TWF, to be held in Jeju, Republic of Korea, from July 9 to 13, 2007, comprising a preparatory workshop for the TWF session and a technical workshop on the examination of Distinctness, Uniformity and Stability ("DUS"). The technical workshop would take the form of presentations by experts from the members of the Union on their procedures for DUS testing of fruit varieties.

56. The Delegations of Kenya, Republic of Korea and Romania invited the TC participants to take part in the preparatory workshops for the sessions of the TWV, the TWF and the TWC, respectively and the associated activities to those preparatory workshops.

Applications covering a combination of lines

57. The TC considered document TC/43/11.

58. The TC agreed that examples of specific cases concerning a single application for a plant breeder's right for a combination of different lines should be raised with the relevant TWP, where appropriate in relation to the relevant Test Guidelines. Given the importance of the matter, which related to the definition of variety in the 1991 Act of the UPOV Convention, the TC agreed that it should be clarified that the TWPs should investigate the specific cases from a technical perspective in order to facilitate consideration of the principles by the TC and the CAJ.

Test Guidelines

59. The TC considered document TC/43/2.

60. With regard to Annex I of document TC/43/2, the TC heard that following the TWV session there had been a further consultation by correspondence within the TWV concerning characteristic 26 (Earliness) of the draft Test Guidelines for Cauliflower (see document TG/45/7(proj.3)). As a result of that consultation, the Leading Expert in conjunction with the Chairman of the TWV agreed that the revised Test Guidelines for Cauliflower should be discussed again by the TWV at its forty-first session, in 2007, in order to resolve that characteristic. The TC also noted that the relevant reference of the Test Guidelines for Sutera and Jamesbrittania to be considered by the TC for adoption was TG/SUTERA (proj.4 Rev.).

61. The TC adopted the Test Guidelines listed in the table below on the basis of the amendments, as specified in Annex II to this document, which was circulated in advance, and the linguistic changes recommended by the Enlarged Editorial Committee (TC-EDC):

Document No. Nº. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
TG/18/5(proj.4)	Elatior Begonia, Winter-flowering begonia	Bégonia elatior	Elatior-Begonie	Begonia elatior	Begonia ×hiemalis Fotsch, Begonia ×elatior hort.
TG/49/8(proj.3)	Carrot	Carotte	Möhre	Zanahoria	Daucus carota L.
TG/55/7(proj.3)	Spinach	Épinard	Spinat	Espinaca	Spinacia oleracea L.
TG/61/7(proj.4)	Cucumber, Gherkin	Concombre, Cornichon	Gurken	Pepino, Pepinillo	Cucumis sativus L.
TG/70/4 Rev.(proj.2)	Apricot	Abricotier	Aprikose, Marille	Albaricoquero, Chabacano, Damasco	Prunus armeniaca L., Armeniaca vulgaris Lam.
TG/137/4(proj.4)	Blueberry	Myrtille	Kulturheidelbeere	Arándano	Vaccinium angustifolium Aiton; V. corymbosum L.; V. formosum Andrews; V. myrtilloides Michx.; V. myrtillus L.; V. virgatum Aiton; V. simulatum Small

Document No. Nº. du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
TG/140/4(proj.4)	Pot Azalea	Azalée en pot	Topfazalee	Azalea	Rhododendron simsii Planch.
TG/155/4(proj.3)	Pumpkin	Giraumon, Potiron	Riesenkürbis	Calabaza, Zapallo	Cucurbita maxima Duch.
TG/215/1 Rev.(proj.2)	Clematis	Clématite	Clematis, Waldrebe	Clemátide	Clematis L.
TG/ANGLN(proj.3)	-	-	-	-	Angelonia angustifolia Benth. and its hybrids
TG/COM_MIL(proj.6)	Common Millet	Millet commun, Panic millet, Panic faux millet	Rispenhirse	Mijo común	Panicum miliaceum L.
TG/CUC_MOS(proj.4)	Butternut, Butternut Squash, Cheese Pumpkin, China Squash, Cushaw, Golden Cushaw, Musky Gourd, Pumpkin, Winter Crookneck Squash	Citrouille, Courge musquée, Courge noix de beurre	Bisamkürbis, Moschuskürbis	Ayote, Calabaza de Castilla, Calabaza moscada, Calabaza pellejo, Chicamita, Lacayote, Sequaloa, Zapallo	Cucurbita moschata Duch.
TG/DIASC(proj.3)	Diascia, Twinspur	Diascia, Diascie	Diascie	Diascia	Diascia Link & Otto
TG/HUSK(proj.5)[2]	Husk Tomato	Alkékenge du Mexique, Coqueret, Physalis, Tomatillo, Tomate fraise	Mexikanische Blasenkirsche, Tomatillo	Miltomate, Tomatillo, Tomate de cáscara, Tomate de hoja, Tomate verde	Physalis ixocarpa Brot., Physalis philadelphica Lam
TG/HYPER_PER(proj.3)	St. John's Wort, Common St. John's Wort, Goat weed, Klamath weed, Tipton weed	Millepertuis	Johanniskraut	Hipericón, Hipérico, Hierba de San Juan, Corazoncillo	Hypericum perforatum L.
TG/MOM(proj.3)	Balsma apple, Balsam pear, Bitter cucumber, Bitter gourd, Bitter melon, Cassila gourd,	Concombre africain Margose, Momordique	Balsambirne, Bittergurke	Balsamito, Cundeamor, Momordica	Momordica charantia L.
TG/SUTERA(proj.4 Rev.)	Sutera; Jamesbrittenia	Sutera; Jamesbrittenia	Sutera; Jamesbrittenia	Sutera; Jamesbrittenia	Sutera Roth; Jamesbrittenia O. Kuntze
TG/TAGETE(proj.6)	Marigold	Tagète, Oeillet d'Inde, Rose d'Inde	Studentenblume	Clavel de las indias, Clavelon, Cempoalxóchitl	Tagetes L.

62. With regard to the draft Test Guidelines for Grain Amaranth, document TG/AMARAN(proj.6), the TC noted the changes proposed by the TC-EDC, which are specified in Annex II to this document, and the report of the TC-EDC that there were technical issues to be resolved with the Test Guidelines, which it had not been possible to resolve. In accordance with the recommendation of the TC-EDC, the TC referred the Test Guidelines back to the TWA for further consideration.

63. With regard to the draft Test Guidelines for Onion, Shallot, document TG/46/7(proj.3), the TC noted the changes proposed by the TC-EDC, which are specified in Annex II to this document, and the report of the TC-EDC that there were technical issues to be resolved with the Test Guidelines, which it had not been possible to resolve. In accordance with the recommendation of the TC-EDC, the TC referred the Test Guidelines back to the TWV for further consideration.

64. The TC noted the report from the TC-EDC that it had encountered problems in its work because some of the Test Guidelines submitted for adoption had not fulfilled the requirements for "final" draft Test Guidelines as set out in document TGP/7/1, Chapter 2.2.5.3 and were

missing important information. The TC agreed that the Technical Working Parties should ensure that the requirements for Test Guidelines to be submitted to the Technical Committee were fulfilled and agreed that Test Guidelines which did not fulfill those requirements should be referred back to the relevant Technical Working Party. It was also agreed that, in order to establish a realistic workload, the TWPs should take into account the factors for prioritizing the commissioning of Test Guidelines, as set out in document TGP/7/1, Section 2.2.2.2.

65. The TC noted that, in document TC/43/2, Annex II, the drafters for the Test Guidelines for Bougainvillea (TG/BOUGA) should read "AU/DK". It also noted that in Annexes II and III, the Test Guidelines to be revised by the TWO should be the Test Guidelines for Zonal Pelargonium (TG/28/8) rather than the Test Guidelines for Regal Pelargonium (TG/109/3) and that in Annex III, the UPOV code for the Test Guidelines for Curly Kale (TG/90/6) should read "BRASS_OLE_GAS".

66. The TC agreed the plans for the development of new Test Guidelines and the revision of existing ones, as shown in document TC/43/2, Annex II. The TC noted, in particular, those Test Guidelines which were considered by the relevant TWPs to be at a final draft stage.

67. The TC noted the status of the existing Test Guidelines as listed in document TC/43/2, Annex III.

68. The TC noted the corrections to be made to the Test Guidelines for Vegetable Marrow, Squash (Cucurbita pepo L.), document TG/119/4, as set out in document TC/43/2, paragraphs 6 and 7. It also noted that a correction needed to be made to the Test Guidelines for TG/230/1 Sour Cherry (*Prunus cerasus* L.) and Duke Cherry (*Prunus* ×*gondouinii* (Poit. & Turpin) Rehder), where the UPOV Code for Sour Cherry (*Prunus cerasus* L.) should be changed from "PRUNU_CSD" to "PRUNU_CSS".

List of genera and species for which authorities have practical experience in the examination of Distinctness, Uniformity and Stability

69. The TC noted the information provided in document TC/43/4 and heard that the number of genera and species for which members of the Union had practical experience had increased from 1,906 in 2006 to 2,010 in 2007. It also heard that information had been provided for the first time by Albania, Republic of Moldova, Tunisia and the United States of America. The TC agreed that the document should be updated for the forty-fourth session of the TC.

Program for the forty-fourth session

70. The following draft agenda was agreed for the forty-fourth session of the TC to be held in Geneva in 2008:

1. Opening of the session

2. Adoption of the agenda

3. Report on developments in UPOV including relevant matters discussed in the last sessions of the Administrative and Legal Committee, the Consultative Committee and the Council (oral report by the Vice Secretary-General)

4. Progress reports on the work of the Technical Working Parties, including the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT) and Crop Subgroups

5. Matters arising from the Technical Working Parties

6. TGP documents

7. UPOV information databases

8. Molecular techniques

9. Variety denominations

10. Publication of variety descriptions

11. Preparatory workshops

12. Applications covering a combination of lines

13. Test Guidelines

14. List of genera and species for which authorities have practical experience in the examination of Distinctness, Uniformity and Stability

15. Program for the forty-fifth session

16. Adoption of the report on the conclusions reached in the session (if time permits)

17. Closing of the session

Chairperson and Vice-Chairperson

71. The TC noted that the chairmanship of Ms. Julia Borys (Poland) would expire with the closing of the forthcoming ordinary session of the Council in October of the current year. It proposed to the Council that it elect Mrs. Françoise Blouet (France) as new Chairperson and Mr. Chris Barnaby (New Zealand) as new Vice-Chairperson of the TC for the forthcoming three-year term.

72. The TC adopted this report at the close of the session.

[Annexes follow]

ANNEXE I / ANNEX I / ANLAGE I / ANEXO 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 names in French 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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ANNEX II

AMENDMENTS TO THE UPOV DRAFT TEST GUIDELINES PRIOR TO THEIR ADOPTION AT THE FORTY-THIRD SESSION OF THE TECHNICAL COMMITTEE (TC)

GENERAL:

"(TWV)" indicates information which the Technical Working Party for Vegetables agreed needed to be provided.

INDIVIDUAL TEST GUIDELINES:

TG/18/5(proj.4)	Elatior Begonia (Revision)

(a) Changes to document TG/18/5(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/18/5(proj.4)), submitted to the TC:

2.2	to read: "… in form of young plants from non-induced terminal cuttings"
2.3	to read: "20 young plants from non-induced terminal cuttings"
5.3 (e)	groups to be listed
Char. 6	example variety needed for state 4 (asterisked characteristic) *provided by Leading Expert*
Char. 9	to check whether to add note (a) *Leading Expert: agreed*
Char. 18	to add "(*)" (grouping and TQ characteristic)
Char. 21	to add "(*)" (grouping and TQ characteristic) and provide example varieties *example varieties provided by Leading Expert*
Char. 22	underline "upper" (in English)
Ad. 18	to consider replacing "color hue" with "color" throughout text, i.e. delete "hue" *Leading Expert: agreed*

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 9	to check whether to reword to "Leaf blade: angle of apex", with the states: moderately acute (3); right angled (5); moderately obtuse (7)

TG/46/7(proj.3)	Onion, Shallot (Revision)

(a) Changes to document TG/46/7(proj.2), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2007, which are already incorporated in the draft Test Guidelines (document TG/46/7(proj.3)), submitted to the TC:

1.	commas and semi-colons in the paragraph to be reviewed
1.	to consider deleting "seed and vegetatively propagated" *Leading Expert: agreed*
2.3	to check number of bulblets *Leading Expert: replace 200 bulblets by 300 bulblets*
3.3.1	*Leading Expert: delete the reference to the stages as the mix of onions and shallots in the document make it complicated to follow* *– all relevant entries in the Table of Characteristics to be removed (Chars. 5, 8, 9, 17, 18, 22, 25, 27, 29, 31, 33, 34.1, 35, 36* *- Chapters 6.5(1) and 8.2 to be deleted*
3.4.1	check whether to replace "applied for" by "of" *Leading Expert: no change*
3.5	check whether to replace "cross-pollinated and hybrid varieties" with "seed-propagated varieties" *Leading Expert: agreed*
3.5	to read: "Unless otherwise indicated, in the case of cross-pollinated varieties all observations on single plants should be made on 60 plants or parts taken from each of 60 plants; and in the case of vegetatively propagated varieties, all observations on single plants should be made on 40 plants or parts taken from each of 40 plants. Any other observation should be made on all plants in the test."
4.2.1, 4.3.3	to check whether to replace "Cross-pollinated varieties" with "Seed-propagated varieties" *Leading Expert: delete 4.3.3 and add Hybrid varieties under 4.2.1*
4.2.2	to check whether title to read "Vegetatively propagated varieties" *Leading Expert: agreed*
4.2.2	To indicate number of off-types allowed in sample of 100 (see 3.4.1) *provided by Leading Expert*
6.5 (2)	to check whether to be moved to Chapter 8 *Leading Expert: agreed*
6.5 (2)	to consider rewording: *Leading Expert:* "Grouping for onion and shallot: Grouping for onion and shallot is based on characteristics 10 and/or 11, in conjunction with characteristic 27. Seed-propagated varieties with states 1, 2 or 3 for characteristic 10 are grouped as onion/echalion and varieties with states 7, 8 or 9 are grouped as shallot. Varieties of seed shallots with states 1, 2, 3, 4, 5 or 6 are grouped after re-planting in a second year according to characteristic 11.

	Varieties with states 1, 2 or 3 for characteristic 11 are grouped as onions/echalions and varieties with states 7, 8 or 9 are grouped as shallots. Varieties with states 4, 5 or 6 for characteristic 11 are grouped according to the number of growing points for characteristic 27 after vegetative multiplication (in the second growing cycle). Varieties with states 1, 2 or 3 for characteristic 27 are grouped as onions/echalions and varieties with states 5, 6, 7, 8 or 9 are grouped as shallots. Varieties with state 4 for characteristic 27 should be compared with varieties in both the onion and shallot groups.
6.5 (2)	- schematic: to replace "exchange of results and/or material –decision after bilateral consultation" with "varieties with state 4 should be compared with varieties in both the onion and shallot groups" *Leading Expert: agreed*
Table of Chars.	to check spelling of example variety Creation / Création *provided by Leading Expert*
Char. 1	keep "pseudostem" on one line
Char. 3	state 1 to read "absent or very weak"
Char. 4	to check whether to read "intensity of green color" *Leading Expert: agreed*
Char. 5	example varieties to be checked (TWV) *checked by Leading Expert*
Char. 5	*state 2 to read "intermediate"*
Char. 10	to indicate (O) for Lagos
Char. 11	add (+) with an explanation of the part in brackets *provided by Leading Expert*
Char. 12.1	to delete "(O)" (also TQ 5.4.1)
Char. 12.2	add (+) with an explanation of "shallot varieties grown from bulblets" i.e. whether this means seed-propagated shallot varieties which are replanted as bulbs in the second year and/or vegetatively propagated shallot varieties *Leading Expert: no change*
Char. 13.1	example variety to be provided for state 1 *Leading Expert: example variety for state 1: "Prompto"*
Char. 13.1	to correct "very" (state 9)
Char. 13.2	to have "bulblet" on one line
Char. 18	"general" to be deleted (at any time we look on the general expression)
Char. 18	state 8 to read "transverse medium elliptic"
Char. 18	to review order of states. (primary order – broadest part below middle to broadest part above middle; and secondary order – narrow to broad) *Leading Expert: no change*
Char. 19	to consider re-ordering states: strongly sloping(1) to depressed(6) *Leading Expert: no change*
Char. 20	to check whether to replace "recessed" with "depressed" *Leading Expert: agreed*
Char. 20	to consider re-ordering states: strongly tapered(1) to recessed (5) *Leading Expert: no change*
Chars. 23, 24	to add (+) with an explanation of "basic" color (see TGP/14) *Leading Expert: no change*

Char. 23	to check order of colors – pink and red to go before brown? *Leading Expert: no change*
Chars. 23, 24, 25	to provide a table of example varieties to illustrate differences between basic color, intensity of color and color hue. Alternatively, provide example varieties for Char. 24 and include all example varieties used for Char. 25 as example varieties for Chars. 23 and 24. (Note: 'Topper' has yellow basic color with yellowish hue – is that correct?) *Leading Expert: no change*
Char. 25	to check order of colors – pinkish, reddish and purplish to go before brownish *Leading Expert: no change*
Char. 28	Asterisk to be added (TQ characteristic) *Leading Expert: agreed*
Char. 34.2	to check whether to indicate whether autumn or spring-sown trials *Leading Expert: no change*
8.1	to delete 8.1 header
Ad. 5	explanation of cranking to be provided (TWV) *to be provided*
Ad. 8, 9	to check upper line for 8 and/or indicate which is the highest green leaf *Leading Expert: no change*
Ad. 16	to replace "apex" with "top" in legend under drawing
Ad. 16	state 1: move arrows to point of maximum diameter *Leading Expert: agreed*
Ad. 27	second paragraph to be reviewed – is it necessary to add anything beyond the indication of "MS" which is provided in the Table of Characteristics? *Leading Expert: no change*
Ad. 27	illustration to be corrected *to be provided*
Ad. 28	delete "we should be aware that" *Leading Expert: agreed*
Ad. 36	to be provided (TWV)
TQ	to correct "Page" in title row
TQ 4.2	question to be added requesting whether the variety is seed propagated or vegetatively propagated *Leading Expert: agreed*
TQ 5.2	keep "(O)"on same line as "Texas grano 502"
TQ 5.4.2	to delete ")" after "Topper"
TQ 5.6	to be updated according to the Table of Characteristics
TQ 6	example to be provided *Leading Expert: agreed*
TQ 7.2.3	to delete the numbers "1", "2", "3" and leave boxes (as for 7.2.1)

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines submitted to the TC:

Alternative names	to add as French common names: "Echalion" for *Allium cepa* L. var. *cepa* and "Echalote grise" for *Allium oschaninii* O. Fedtsch. "To be checked" to be deleted from *Allium cepa* L. var. *aggregatum* G. Don.
2.3	to check whether the quantity of seed should be reduced

3.3	to provide a full explanation of the growing cycles in which the examination is to be conducted for the different types of varieties
3.4.1	to add "for" after "applied" (twice)
new 5.5	to make a reference to the grouping of onion and shallot in Chapter 8.1
Char. 11	to move text in brackets to a note (a) in Chapter 8
Chars. 12.2, 13.2, 14.2, 15.2,	to add note (a)
Chars. 23, 24, 25	to change "basic" top "base"
Char. 23	to include all example varieties from Char. 25
8.1	to clarify explanation and schematic and to check whether the grouping process is correct for example variety "Atlas (S)" in Char. 11 (note 3 = onion/echalion). A new proposal concerning the explanation and schematic, discussed at the TC-EDC, to be provided to the Leading Expert by the Office of the Union.
8.2 (new)	to add note (a): characteristics which should be examined on vegetatively propagated varieties, including re-planted bulbs harvested from seed-propagated varieties
Ad. 5	to delete "[Explanation of cranking to be provided]"
Ad. 8, 9	to provide explanation of the points to which the lines are drawn
Ad. 10, 11	to delete text "Characteristic 11: …"
Ad. 36	to be provided

TG/49/8(proj.3)	Carrot (Revision)

(a) Changes to document TG/49/8(proj.2), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2007, which are already incorporated in the draft Test Guidelines (document TG/49/8(proj.3)), submitted to the TC:

3.5	to correct spelling of "observations"
4.2.1	to consider modifying as follows: "The assessment of uniformity for cross-pollinated varieties should be according to the recommendations for cross-pollinated varieties in the General Introduction~~. Uniformity could be additionally assessed on the basis of~~ For the characteristics external color of root (characteristic 13) and color of core of root (characteristic 19)~~. In such a case~~, a population standard of 2% and an acceptance probability of 95% should be applied. In the case of a sample size of 400 plants, 13 off-types are allowed." *Leading Expert: agreed*
4.2.1	to check if sample size 400 is appropriate for characteristic 19. *Leading Expert: change sample size to 200*
4.3.2	to check if should read (ASW 9(b)) "Where appropriate, or in cases of doubt, stability may be tested, either by growing a further generation, or by testing a new seed stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied." *(has been changed)*

Char. 10	state 3 to read "medium obtriangular"
Chars. 19, 21	example varieties to be provided for states 5 and 6 (TWV) *provided by Leading Expert*
Char. 25	to check if should read: absent or very small (1); small (2); medium (3); large (4); very large (5) *Leading Expert: agreed*
Char. 27	to check whether to change "blunt" to "rounded" (in underlined section) *Leading Expert: no change*
Char. 29	to check whether to be indicated as QN *Leading Expert: agreed*
Char. 31	to check whether to delete "Plants:" *Leading Expert: no change*
Char. 31	example varieties to be provided (TWV) *provided by Leading Expert*
Chars. 31, 32	to add (+) and explanation to be provided (TWV) *to be provided*
8.1 (c)	to check whether to replace "DUS" with "growing" *Leading Expert: agreed*
Ad. 26	to be provided (TWV) *provided by Leading Expert*
Ad. 27, 28	2nd paragraph: to consider deleting, or to indicate type of tip for medium varieties *provided by Leading Expert*
Ad. 27, 28	4th paragraph: to clarify of what it is a "good example" *provided by Leading Expert*
TQ 4, 7	to add "#" with footnote*
TQ 9	to be updated*

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 26	to read "Root: shape coefficient" and to be moved after Char. 10
Ad. 26	to read: "The density of carrot roots is a constant close to 1 and therefore it is possible to calculate a shape coefficient (cf): cf = weight/(length x (3.14 x diameter^2/4) The more cylindrical the root, the closer this coefficient is to 1 (adjustment of the weight to the volume of a cylinder). The more conical the root, the closer this coefficient is to 0.5 (adjustment of the weight to the volume of a cone)." subject to checking with the Leading Expert
Ad. 31, 32	to be provided

TG/55/7(proj.3)	Spinach (Revision)

(a) Changes to document TG/55/7(proj.2), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/55/7(proj.3)), submitted to the TC:

3.5	to read: "Unless otherwise indicated, all observations on single plants should be made on 60 plants or parts taken from each of 60 plants and any other observation should be made on all plants in the test."
4.2.2	to check whether to replace "seed-propagated open pollinated" with "cross-pollinated" *Leading Expert: agreed*
4.2.3	(a) to check whether the wording should be revised to: "For the assessment of uniformity of hybrids, a population standard of 2% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 200 plants, 7 off-types are allowed. In addition, a population standard of 3% and an acceptance probability of at least 95% should be applied for inbred plants obviously resulting from the selfing of a parent line. In the case of a sample size of 200 plants, 10 inbred plants are allowed."; and (b) to check whether the sample size should be 100 or 60 plants instead of 200. *Leading Expert: use wording above with sample size of 100 plants: 5 off-types and 6 inbred plants*
5.3 (c)	to amend according to Char. 15
5.3	to review the correspondence of the grouping and TQ characteristics: *Leading Expert: to include Chars. 15 and 16 in the Technical Questionnaire and to include Chars. 3, 4, 14 and 18 as grouping characteristics*
6.5	MG etc.: to correct reference to "3.3.2"
Chars.1, 17	to check the difference between Char. 1 and Char. 17 and to explain whether Char. 1, if retained instead of Char. 17, should be observed on submitted or harvested seed. *Leading Expert: Char. 1 is observed on submitted seed. Char 17 is observed on harvested seed (and can already be observed when it is still attached to the plant). The explanation why these are different characteristics:* *A plant which is grown from seed without spines can have seeds with spines: this will happen when the mother plant is round seeded (ss), but the father (pollinator) is spine seeded (SS) which is dominant. The tissue around the seed submitted (which in fact is a fruit) is from the mother plant (ss), but the plant grown from it –the next generation- shows seeds with spines (Ss). Of course, this is only the case for hybrids.* *Therefore, add an example variety to Char. 1, state 1 : Marimba, because this is such a hybrid.* Office: "(submitted seed)" and "(harvested seed)" introduced in headings of Chars. 1 and 17, respectively.
Char. 5	to check if example variety for note 7 should read "Parrot" instead of "Elephant" *Leading Expert: agreed*

Char. 9	state 4 to read "medium ovate"
Char. 9	to check whether order could be changed to 6, 4, 5, 1, 2, 3 *Leading Expert: agreed*
Chars. 13, 14, 15	to check whether to delete "Plant:" *Leading Expert: agreed*
Char. 19	the TC-EDC agreed that there should be a discussion in the Technical Committee on the possibility of having Technical Questionnaire characteristics which do not have an (*) in the Table of Characteristics: it was noted that this would make the observation obligatory for the applicant but not for the authority. The outcome of the TC discussion would then be applied to the Test Guidelines for Spinach.
Ad.1	pictures to be improved *provided by Leading Expert*
Ad. 13, 14, 15	heading format to be corrected
Ad. 13, 14, 15	to check if should read: "Monoecious plants: plants which have both male flowers and female flowers (seeds clearly visible)" Female plants: plants which have only female flowers (seeds clearly visible)" […]"? *Leading Expert: agreed*
Ad. 13, 14, 15	2, 4, 6, 8 are missing. The range should be indicated for each note. Note 2 to 8 should be evenly distributed. *provided by Leading Expert*
Ad. 16	(a) to check if "nodes" should be replaced by "internodes"; (b) to check whether can delete the second sentence – "appears" indicates visual observation *Leading Expert: agreed*
Ad. 17	to provide improved (focussed) photograph for state 9 *provided by Leading Expert*
Ad. 18	(a) wording in English to be edited (Office if necessary); (b) to choose "control varieties", "differential varieties" or "example varieties"; (c) full address of NAKT and PRI to be provided; (d) light: 12h in German version, 15h in English version. to check which is correct? *provided by Leading Expert*
Ad. 18	introduction to differential table (page 19): to check if can be changed to read "Races Pfs:1-8 and 10 of *Peronospora farinosa* f. sp. *spinaciae* are defined with a standard set of so-called differential varieties according to the following table" with the reference to ISF at www.worldseed.org to be moved to Chapter 9 (Literature) *Leading Expert: agreed*
TQ 4	breeding scheme to be provided and 4.1 to be renamed as 4.2 (method of propagating the variety) *provided by Leading Expert*
TQ 5.3	to check the example varieties for states 1 and 3 in relation to Char. 4 *corrected by Leading Expert*

TQ 5.6	To read 5.6(viii) and 5.6(ix)
TQ 7.1	to be checked *modified by Leading Expert*

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 1	to be deleted: is an observation of the parent of the submitted variety
Ad. 8	to check whether the attitude relates to the natural attitude in relation to the horizontal, rather than to the attitude in relation to the petiole and clarify in illustration
TQ 5.9 (18), TQ "5.7" (19)	to be moved to TQ Section 7 and races to be listed with tick boxes for absent and present for each

TG/61/7(proj.4)	Cucumber, Gherkin (Revision)

(a) Changes to document TG/61/7(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/61/7(proj.4)), submitted to the TC:

2.2, 2.3	formatting to be amended
3.5	To read: "Unless otherwise indicated, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observation should be made on all plants in the test."
Char. 4	to check if should have notes 1, 3, 5 *Leading Expert: no change*
Char. 7	to check whether "of terminal lobe" can be deleted *Leading Expert: no change*
Char. 13	difference between states 2 and 3 to be clarified *clarified by Leading Expert (see Ad. 13)*
Char. 13	to check whether QL *Leading Expert: no change*
Char. 14	state 5 to read "predominantly"
Char. 15	to add (*) (grouping characteristic)
Char. 18	to check whether to delete "maximum" *Leading Expert: agreed*
Chars. 22, 23	to review: perhaps Char. 22 could have the states: acute (1); obtuse (2); rounded (3) (there is also a shape for "necked" varieties) and Char. 23 would not then need to be indicated as "Only necked varieties" and would have state 1: absent or very short. *Leading Expert: no change (no change from existing Test Guidelines)*
Char. 25	to check whether to delete "at market stage" or note (e) *Leading Expert: delete note (e)*
Char. 25	to check whether should be indicated as PQ *Leading Expert: agreed*
Char. 26	to read "Excluding white varieties: …"
Char. 28	to check if QL

Chars. 29, 30	to check whether Char. 29 is truly QL and, if not, Chars. 29 and 30 to be combined
Char. 31	to have the order of states 1, 3, 2 *Leading Expert: agreed*
Char. 38	states 1 and 2 to be worded more clearly, e.g. in bands only (1); predominantly in bands (2); evenly distributed (3) and (+) with illustration to be provided *provided by Leading Expert*
Char. 39	to check whether to add note (e) *Leading Expert: agreed*
Char. 43	to add (+) with an explanation of "physiological ripening" and to check whether to delete note (d) *provided by Leading Expert (note (e) deleted)*
Chars. 45, 46, 47	state 2 to read "moderately resistant" (see TGP/12 and check translations accordingly) *Leading Expert: agreed*
Char. 46	to check if abbreviation "(Sf)" is correct *Leading Expert: no change*
Char. 48	to check whether more than one fungus is involved *Leading Expert: no change (only one fungus)*
8.1 (a)	to check whether to become Ad. 1 and to read "bitterness should be observed by tasting, just before the development of the first true leaf" *Leading Expert: agreed*
8.1 (b)	to clarify and check if needed for Char. 2: if not, replace by Ad. 3 *Leading Expert: agreed*
8.1 (c)	to read "Leaf blade: observations on the leaf blade should be made on a fully developed leaf blade, from above the 7th node" *Leading Expert: agreed*
8.1 (d)	to check if should read "Flowers: all observations on the flowers should be made on flowers between the 5th and the 15th node" *Leading Expert: agreed*
8.1 (e)	to replace "around 14 days after flowering" with an indication of a stage of development (Note: the TC-EDC will propose that the Technical Committee and the Technical Working Parties develop of a simple, general growth stage key for plants to cover such situations) *Leading Expert: no change (very difficult develop of a simple, general growth stage key for plants to cover all types of fruit)*
Ad. 13	explanations to be improved *provided by Leading Expert*
Ad. 14	to review whether to reword as "Where there are more than 50% of nodes with one flower, two flowers, etc., the state of expression is predominantly one, predominantly two. In other cases, the state is that which represents the highest percentage." *Leading Expert: agreed*
Ad. 16	in English to read "The development of the fruit without pollination should be observed under circumstances where pollination by insects (bees, bumblebees, etc.) is not possible; for example, in an insect-free greenhouse or at a time of the year when insects are not active." *Leading Expert: agreed*

Ad. 17	to check whether the explanation can be deleted (it is true of other characteristics) *Leading Expert: no change*
Ad. 41	to delete first part so as to read "A whitish…" *Leading Expert: agreed*
Ad. 44-49	- wording in English to be edited - to check whether "soil" should be changed to "soil or compost" *Leading Expert: agreed*
Ad. 48	scheme of observation to be provided *provided by Leading Expert with new example varieties*
TQ 5.2	delete "," after "Sunsweet"
TQ 7.3.2(c)	remove double comma

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 13	spelling of "monoecious" to be corrected
Char. 25	add (+) with explanation of market stage
Char. 26	to add "(as for 25)"
Char. 28	to delete example variety "Dongji chungnang"
Ad. 17	to be deleted

TG/70/4 Rev.(proj.2)	Apricot (Partial Revision)

(a) Changes to document TG/70/4 Rev.(proj.1), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/70/4 Rev.(proj.2)), submitted to the TC:

Char. 22	to check whether this should be indicated as QN rather than QL *Leading Expert: agreed to be indicated as QN*
Char. 44	to read "Fruit: ground color of skin" *Leading Expert: agreed*
9.	to check whether new literature to be provided *Leading Expert: no further literature*
9.	to correct double quotes, e.g. Beketovskaya: on "Dima"; Guerriro R., Ref.

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 57	to change spelling of "Larqueen" to "Larquen"

TG/137/4(proj.4)	Blueberry (Revision)

(a) Changes to document TG/137/4(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/137/4(proj.4)), submitted to the TC:

4.2.2	to keep "off-types" on same line
5.3 (f), (h)	to align wording with Table of Characteristics (delete first "shoots")
6.5	to correct presentation for MG, MS, VG
Char. 3	state 1 to read "green" *Leading Expert: agreed*
Char. 3	to consider changing order of states to: green (1); reddish yellow (2); greenish red (3); greyish red (4); dark red (5); reddish brown (6) *Leading Expert: no change*
Char. 5-7, 12	to be indicated as MS/VG *Leading Expert: agreed*
Chars. 12, 13	reverse the order of characteristics *Leading Expert: agreed*
Char. 13	to check whether explanation note (a) (= dormant season) should be (c) *Leading Expert: no change*
Char. 14	*Leading Expert: to be indicated as VG*
Char. 15	replace "size" with "length" *Leading Expert: TWF agreed "size" after consideration of "length"*
Char. 18	to add (*) (grouping and TQ characteristic)
Char. 18	example varieties to be provided for state 1
Char. 18	to move after Char. 32 (as for Raspberry) *Leading Expert: agreed*
Char. 19	to consider changing to "Infructescence: density" *Leading Expert: to change to "Fruit cluster: density" (TC-EDC agreed)*
Char. 22	to provide illustration and change states to 2-dimensional terms: oblong (1); round (2); oblate (3) *provided by Leading Expert*
Char. 23	to have intermediate state between erect and semi-erect and to check if QN *Leading Expert: to be indicated as QN* (intermediate state between erect and semi-erect to be provided)
Char. 24	to check if QN
Char. 28	to add (*) (grouping and TQ characteristic) and to check if truly QL – if not, 3 states required. Alternatively, to consider combining with Char. 29 *Leading Expert: Chars. 28 and 29 to be combined*
Char. 30	*Leading Expert: add (+) with explanation and to be indicated as VG*
Char. 31	to add (+) and provide explanation *provided by Leading Expert*
Char. 32	to add (+) and provide explanation *provided by Leading Expert*
Char. 35	to be indicated as QN
Chars. 35, 37	to delete: "(see char.18)"

Chars. 35, 37	example varieties to be provided (asterisked characteristic) or (*) to be deleted *example varieties provided by Leading Expert*
Char. 36	to check if note (d) to be deleted *Leading Expert: agreed*
Ad. 33	to be deleted (does not provide additional information) *explanation clarified by Leading Expert*
Ad. 34, 35	to read "The time of beginning of flowering is when 10% of the flowers are fully open."
Ad. 36, 37	to read "The time of beginning of fruit ripening is when 10% of the fruits are ripe."
TQ 1.8	to check whether "genera and" to be deleted *Leading Expert: agreed*
TQ 4	to delete line after 4.1.4
TQ 4, 7	to add "#" with footnote

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 21	state 1 to read "elliptic"
Char. 22	to have at least 3: erect (1); erect to semi-erect (2); semi-erect (3)
Char. 23	to be indicated as QN
Char. 28	to add VS (see Ad. 28)
Char. 31	example variety to be provided if possible
Chars. 34, 36	to read "Only varieties…"

TG/140/4(proj.4)	Azalea (pot) (Revision)

(a) Changes to document TG/140/4(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/140/4(proj.4)), submitted to the TC:

3.3.2	to be transferred to Chapter 8.1
4.2.2	keep "off-types" on same line
Char. 5	to check if truly QL, or if it is QN: if QN, to add an intermediate state "elliptic to obovate" and to provide example varieties *Leading Expert: intermediate state provided; to be indicated as PQ*
Char. 7	example variety to be provided for state 4 (asterisked characteristic) *Leading Expert: no example variety of common knowledge*
Char. 8	to have notes 1, 3, 5, or to delete "very" from state 1, or state 2 to read "intermediate" *Leading Expert: to have notes 1, 3, 5*
Char. 13	to check if QN (see Ad. 13) *Leading Expert: agreed*

Char. 14	- to add (*) (TQ characteristic) - to check what is meant by "ventricose" (Inflated, swollen, or distended, *especially on one side*) and improve illustration to show difference between states 4 and states 2 and 3. - example varieties to be provided for states 4 and 5. *Leading Expert: state 4 to be deleted; example variety provided for state 5*
Char. 15	to check whether "very" to be deleted from state 1, or state 2 to read "intermediate" *Leading Expert: "very" to be deleted*
Char. 16	to add asterisk (grouping and TQ characteristic)
Char. 16	to check whether to add note (c) *Leading Expert: agreed*
Chars. 17, 19	underline "margin"
Chars. 18, 20	underline "middle"
Chars. 18, 19, 20	to correct spelling of "RHS *Colour* Chart"
Char. 23	- to add (*) (TQ characteristic) - example varieties to be provided for states 3 and 4 *Leading Expert: state 4 to be deleted; example variety provided for state 3*
Char. 25	to be indicated as QN *Leading Expert: no change*
Char. 26	to check whether to change order of states to: yellow (1); purple (2); violet (3); light brown (4); dark brown (5) *Leading Expert: no change*
Char. 27	to add (*) (TQ characteristic)
8.1 (b)	to read: "….should be made on …"
8.1 (b)	to align with 3.3.2 (3.3.2 states beginning of flowering – 50% plants with one flower fully open according to Ad. 27) *provided by Leading Expert*
Ad. 2	to add title of characteristic
Ad. 5	to delete one space before "shape"
Ad. 23	to be provided *provided by Leading Expert*
Ad. 27	to read "… one fully open flower"
9.	to be ordered alphabetically
TQ 1.2.1	to check whether these Test Guidelines only apply if *Rhododendron simsii* Planch. is used as the female plant (i.e. placed first in the formula) *Leading Expert: Test Guidelines apply to all hybrids with* Rhododendron simsii *Planch.*
TQ 1.2.1	to replace "times" symbol with "x" to avoid problems in pdf version
TQ 4	to delete line after 4.1.4
TQ 5.2	to be updated according to Table of Characteristics

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 25	to check whether QN
Ad. 5	to check whether illustrations for states 2 and 3 should be reversed

TG/155/4(proj.3)	Pumpkin (Revision)

(a) Changes to document TG/155/4(proj.2), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2007, which are already incorporated in the draft Test Guidelines (document TG/155/4(proj.3)), submitted to the TC:

6.5	MG etc.: to correct reference to "3.3.2´
Char. 1	to change "elliptical" to "elliptic"
Char. 1	state "obovate" should read note "3", not "5"
Char. 4	to check if states of expression be notes 1, 2, 3 (not 1, 3 5)? If not, to add state for note 7. *Leading Expert: to have notes 1, 2, 3*
Chars. 8, 9	to check whether note (a) to be deleted *Leading Expert: agreed*
Char. 15	to check whether - to read: "Fruit: shape in longitudinal section" - to change "shape" to "shaped" (states 1 and 11) - to change "elliptical" to "elliptic" (states 3, 4, 6, 7) - state 10 to read "broad pear shaped" and 11 to read "narrow pear shaped" *Leading Expert: agreed*
Char. 15	to check whether order of states to be changed to follow the rule: primary order – broadest part below middle to broadest part above middle; then secondary order - narrow to broad *Leading Expert: no change*
Char. 15	example varieties to be provided for states 8 and 9 (TWV) *Leading Expert: no example varieties available*
Char. 17	to consider combining with Char. 18, e.g. raised (1); flat (2); slightly depressed (3); moderately depressed (4); strongly depressed (5) *Leading Expert: agreed*
Char. 19	to check whether to be indicated as QN *Leading Expert: agreed*
Char. 19	to check whether to reverse order of states *Leading Expert: no change*
Char. 23	add (+) with explanation of the states and an explanation of, for example, how to address a situation where there are two color intensities but <u>without</u> clear borders
Char. 20	*Leading Expert: new example varieties provided*
Char. 24	to check order of colors *Leading Expert: no change*
Char. 24	example varieties to be provided for state 2 (TWV) *Leading Expert: no example varieties available*
Chars. 26, 27	to read "<u>Only varieties with two or more color hues: …</u>"
Char. 26	to check order of colors (as for Char. 24) *Leading Expert: no change*
Char. 26	example varieties to be provided (TWV) *provided by Leading Expert for some states*

Char. 28	to read "Only varieties with two or more color hues or intensities (with clear borders): …"?
Char. 32	*Leading Expert: example varieties amended*
Char. 36	example variety to be provided for state 2 (TWV) *Leading Expert: no example varieties available*
Ad. 24	to add Chars. 25 to 28 to title and add (+) for those characteristics
9.	to check whether further references to be added *Leading Expert: no change*
TQ 1.3	"1.3 Advisory note" to be deleted – text to be moved outside box
TQ 5.7	line after TQ 5.6 to be deleted and states to be kept on same page

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 24	to read "Excluding varieties with main color of skin: cream or white:…"
Char. 29	to check if "dots" is correct term and add (+) with illustration
Char. 32	example variety to be checked for state 3 (TWV)
Char. 33	example varieties to be provided
Char. 34	states to be checked (TWV) and example varieties or table of ratios to be provided (asterisked characteristic)
Char. 35	to check whether note (b) to be deleted or also added to Chars. 33 and 34
Ad. 4	to be provided (TWV)
Ad. 34	to be provided or example varieties to be provided in the Table of Characteristics

TG/215/1Rev.(proj.2)	Clematis (Partial Revision)

(a) Changes to document TG/215/1Rev.(proj.1), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/215/1Rev.(proj.2)), submitted to the TC:

Cover page, TQ 1.1	to replace "*Latin*" with "*Botanical name*"
3.4, 3.5	to change "eight" to "8"
Char. 10	to reverse order of states 2 and 3
Char. 18	to check typing of state 3 in English "strong"
Char. 19	to read "Plant: arrangement of flowers" *Leading Expert: disagree. It would require a change in order of characteristics in the Table of Characteristics, which would not be appropriate for a partial revision*
Chars. 19, 20	in French: to delete space after "Fleurs"
Char. 20	to check if (+) to be deleted *Leading Expert: agreed*
Char. 21	to read "Flower: attitude"
Char. 22	to be indicated as QN
Chars. 24, 26	to read "Only varieties with flower type: single or semi-double: …"

Char. 24	to check if note (d) to be deleted *Leading Expert: agreed*
Chars. 25, 27	to read "Only varieties with flower shape: rotate: …"
Char. 28	to have the states: absent or very weak (1); weak (2); strong (3)
Char. 31	state for lanceolate to have note "2"
Char. 35	- order of states 2 and 3 to be reversed - (+) with illustration to be provided
Char. 48	Leading Expert: 'Seiboldii' to be deleted from example varieties (example varieties not required)
Chars. 48, 49	in French: to delete space after "pétaloïdes"
Char. 51	translations required for state 2
Char. 53	- translations required for state 2 - to add example varieties "Ania, Xerxes" for state 2 - to add note (c) - state 5: to correct: "purple"
8.1 (d)	to delete "The" before "Flowers"
Ad. 3	title to be added
Ad. 6	state 6: to move legend under drawing
Ad. 9	to correct title according to Char. 9
Ad. 21	illustration / explanation to be improved
Ad. 24	- illustrations for state 2 and 3 to be inverted - illustration for state 4 to show flower in profile
Ad. 34	to delete space after "non"
TQ 1.2	to read: "Common name"
TQ 4, 7	to add "#" with footnote
TQ 5.2	example varieties to be deleted (deleted from Table of Characteristics)
TQ 5.6, 5.7	numbering to be corrected

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Chars. 24-27, 34	to delete ":" after "flower"
Char. 26	to read "…Flower: number of sepals"
Char. 39	to read "Only varieties with one color:…"
Chars. 40, 41, 43	to read "Only varieties with more than one color:…"
Char. 46	to read "Only varieties with…"
Char. 47	to read "Petaloid staminodes: presence"
Chars. 51, 52, 53	to add note (g) which would explain that identifiable stamens and stigma may not be present as one or both are absent or have become petaloid/stamenoides. (To clarify that these characteristics may not be able to be observed.)

TG/AMARAN(proj.6)	Grain Amaranth

Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines submitted to the TC:

Chapter 1	to read: "1.1 These Test Guidelines apply to all varieties of *Amaranthus* L. used for grain production." "1.2 The main grain species are *Amaranthus caudatus* L., *Amaranthus cruentus* L. and *Amaranthus hypochondriacus* L."
2.3	to add "of seed" after "100 g."
3.5	to add "and any other observations made on all plants in the test."
4.3	to add ASW 9 or 10
Char. 1	to check whether truly QL
Char. 2	to check whether truly QL and, if not, to be combined with Char. 3 as QN characteristic.
Char. 2	to read "hypocotyl" (delete "s")
Char. 3	to replace "pigmentation" with "coloration"
Char. 6	to be indicated as QN
Char. 7	to be indicated as QN and to have 3 states: in middle or slightly towards bases (1); moderately towards base (2); strongly towards base (3)
Char. 8	to have at least 3 states (e.g. absent or weak (1); medium (2); strong (3))
Char. 10	- to clarify "at the beginning of growth" - to read "Young leaf: distribution of secondary color on upper side". To add any indication of timing as Ad. 8 or by a note; - to review the characteristic and check whether there is useful additional discrimination in relation to Chars. 20, 21 and 23. If both sets of characteristics are kept, to harmonize the characteristics - state 6: to compare with picture and to check if it is better to read "one half of the leaf" instead of "in a strip"
Char. 12	to decide if QL (2 states) or QN or PQ, with at least 3 states
Char. 14	to read "Plant: time of flowering" and delete note (e)
Char. 15	to delete "(at anthesis)"
Char. 16	to check whether truly QL: if not, to have 3 states
Char. 17	to be moved after Char. 19
Char. 18	to check whether truly QL and, if not, to be combined with Char. 19 as QN characteristic.
Char. 20	to add (*) (grouping characteristic)
Char. 22	to delete "(+)", because there is no explanation on the Table of Characteristic and the explanation for this characteristic is not necessary
Char. 23	to delete "distribution"
Char. 24	to check whether green should come before yellow
Char. 25	to check whether to read "Inflorescence: density of glomerules" and to move after Char. 26

Char. 26	- to check whether to read ""Inflorescence: density" - to review wording of states and order of states - to replace note (e) with note (f) - to provide an explanation of precisely what is to be observed (e.g. angle of branches and distance between branches)
Char. 31	to check whether to delete "very" from state 1 and state 2 to read "moderately recurved"
Chars. 34-36	to delete "(at maturity)" – see note (f)
Char. 35	to check whether truly QL
Char. 37	to check order of colors – brown after pink and before black
Char. 38	state 1 to read globose and to delete "(flattened)" in state 3
Char. 39	add (+) with explanation
Chars. 40, 41	to check if note (g) applies
Char. 40	to delete "at 10% moisture"
Char. 41	to check if necessary for DUS; example varieties to be provided; and to delete "(relative increase of volume)"
8.1 (d)	to become Ad. 13
Ad. 7	illustrations to be provided for 3 states
Ad. 10	state 4 – to read "two "V" shaped stripes"
Ad. 14	to be clarified
Ad. 22	to be provided ((+) in Table of Characteristics
Ad. 25	to read "the density of the glomerule …"
Ad. 26	wording to be improved
Ad. 27	wording to be improved
Ad. 29	wording to be improved
Ad. 31	- to add stem to illustration for state 1 - label on state 3 should be "strongly recurved"
Ad. 33	wording to be improved
Ad. 38	to move names of states from page 25 to page 24, under the appropriate pictures
Ad. 40	delete all text after first sentence
Ad. 41	delete all text after second paragraph
9.	to be formatted correctly
TQ 1	to add box requesting species details
TQ 4	to be retained unchanged
TQ 6	example to be provided

TG/ANGLN(proj.3)	Angelonia

Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines submitted to the TC:

Alternative names	to add "-" in common names
1.	to read "These Test Guidelines apply to all varieties of *Angelonia angustifolia* Benth. and hybrids between *Angelonia angustifolia* Benth. and other species of *Angelonia* Bonpl., of the family *Scrophulariaceae*."

4.2.3	to replace “20 plants” with “30 plants”
4.2.3, 4.2.4	to check whether all types exist and amend to cover only existing types of varieties
Char. 1	to check if QL – if not, to have 3 states
Char. 23	to check whether to change notes to 3, 5, 7
Char. 25	to add “(+)”
8.1(c)	to check whether to be reworded as follows: “Observations on the flower and flower parts should be made when flowers are fully open”.
TQ 5	to add Chars. 14 and 15 as follows: 5.5 (i) Only varieties with stripes present: Corolla lobes: ground color RHS Colour Chart (indicate reference number) 5.5 (ii) Only varieties with stripes present: Corolla lobes: ground color white 1 [ ] other color (indicate) 2 [ ] 5.6 (i) Only varieties with stripes present: Corolla lobes: color of stripes RHS Colour Chart (indicate reference number) 5.6 (ii) Only varieties with stripes present: Corolla lobes: color of stripes white 1 [ ] pink 2 [ ] violet 3 [ ] other color (indicate) 4 [ ] (otherwise there would be no description of the color of the varieties with stripes at all.) *Office: would need to be adopted subject to agreement by TWO by correspondence*

TG/COM_MIL(proj.6)	Common Millet

(a) Changes to document TG/COM_MIL(proj.5), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2007, which are already incorporated in the draft Test Guidelines (document TG/COM_MIL(proj.6)), submitted to the TC:

2.2	to read “seed” instead of “seeds” and to refer to panicles? (see 2.5)
2.5	to be incorporated in 2.2 and 2.3
4.2.3	to add “on single panicle rows” after “uniformity”
Char. 22	violet should be state 2, not state 3
Char. 32	to have dotted line between 32.1 and 32.2 etc.
Ad. 8	to update heading according to Table of Characteristics
TQ 5.13	to add example variety for state 1 from Table of Characteristics
TQ 9	to be updated

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

2.2, 2.3	to read: "2.2 The material is to be supplied in the form of seeds and, if requested by the competent authority, panicles should also be submitted. "2.3 The minimum quantity of plant material, to be supplied by the applicant, should be: Seed: 1 kg; and Panicles (if requested): 100"
3.5	To add: "… and any other observation should be made on all plants in the test."
4.2.2	to delete the final sentence
Char. 2	to add (*) (*Leading Expert: agreed*)
Char. 7	to add (*) (TQ characteristic)
Char. 19	to be indicated as QN and state 3 to read "circular"
Char. 24	to be indicated as QN and state 3 to read "circular"
Char. 25	example variety to be provided by China for state 12, if possible
Char. 28	state 9 to read "very high"
Char. 29	example variety to be provided by China for states 7 and 9, if possible. Example varieties for states 1, 3, 5 to be checked. States to be kept unchanged.
Char. 30	To replace "placental spot" by "hilum"
Char. 31	example varieties and explanation to be provided by China
Char. 32	translations of heading to be checked
Char. 32	to have 3 states and to be indicated as QN. New states and explanation to be approved by TWA by correspondence.
Ad. 7	label text to be formatted
Ad. 9	to read "The time of panicle emergence is when the first spikelet is visible in 50% of the plants"
Ad. 31	to be provided (see comments for Char. 31)
Ad. 32	see comments at Char. 32 and wording in English to be edited and text to be translated in all languages
8.3	"collor" to read "collar"
9.	to regenerate references
TQ	to add Char. 2 (*Leading Expert: agreed*)
TQ 6	example to be provided

TG/CUC_MOS(proj.4)	*Cucurbita moschata* Duch.

(a) Changes to document TG/CUC_MOS(proj.3), made on the basis of comments received from members of the Enlarged Editorial Committee in January 2007, which are already incorporated in the draft Test Guidelines (document TG/CUC_MOS(proj.4)), submitted to the TC:

2.3	to check if should be "1500" instead of "1550" *Leading Expert: agreed*
4.2.1, 4.2.2	*amended by Leading Expert*
6.5	MG etc.: to correct reference to "3.3.2"
Char. 1	to check whether to be indicated as QN and to have notes 3, 5, 7 *Leading Expert: agreed*
Char. 1	example varieties to be updated (TWV) *Leading Expert: no change*
Char. 2	states of expression to be clarified *Leading Expert: characteristic to be deleted*
Char. 3	to check if notes should be 3, 5, 7 *Leading Expert: agreed*
Char. 4	*Leading Expert: example variety for state 7 to be deleted*
Char. 5	example varieties to be checked (TWV)
Char. 19	- state 1: to change "elliptical" to "elliptic" - state 2: to read "transverse medium elliptic" - state 3: to read "round"
Char. 20	to check whether to read "Fruit: presence of neck" *Leading Expert: agreed and example varieties provided*
Char. 21	to check whether to add note (b) and to have notes 3, 5, 7 *Leading Expert: agreed and example varieties provided*
Char. 22	to check whether to add (*) *Leading Expert: agreed*
Char. 22	to check whether wording in French or English is correct *Leading Expert: to read "Fruit: curving (longitudinal axis)"*
Char. 23	to consider combining with Char. 24, *Leading Expert: agreed, i.e. raised (1); flat (2); slightly depressed (3); moderately depressed (4); strongly depressed (5)*
Char. 25	to check whether to be indicated as QN *Leading Expert: agreed*
Char. 29	example variety to be provided for state 1 (TWV) *Leading Expert: characteristic to be deleted and Char. 30 to have state 1 "absent or very weak"*
Char. 31	example variety to be provided for state 3 *Leading Expert: no example variety*
Char. 31	to review order of states, e.g. green before cream *Leading Expert: agreed*
Char. 33	example variety to be provided for state 1 (TWV) *provided by Leading Expert*
Char. 35	example varieties to be provided for states 3 and 5 (TWV) *Leading Expert: characteristic to be deleted*

Char. 36	example varieties to be provided (TWV) *provided by Leading Expert*
Char. 40	to check if should have notes 3, 5, 7 *Leading Expert: agreed*
Char. 41	state 4 to read "blue grey" or "bluish grey" *Leading Expert: to read "bluish grey"*
8.1 (c)	"on the fruit" to be deleted
Ad. 5	to be provided (TWV) *provided by Leading Expert*
Ad. 19	illustration for state 8 to have fruit without curvature *provided by Leading Expert*
Ad. 22	to be provided (TWV) *provided by Leading Expert*
Ad. 25	illustration for state 2 to be improved (TWV) *provided by Leading Expert*
Ad. 37	illustration to be corrected (placement of arrows) (TWV) *provided by Leading Expert*
Ad. 40	to be checked (TWV) *amended version provided by Leading Expert*
8.3	*updated by Leading Expert*
9.	further literature to be provided (TWV) *provided by Leading Expert*
TQ 6	to change "orange" to "orange brown"

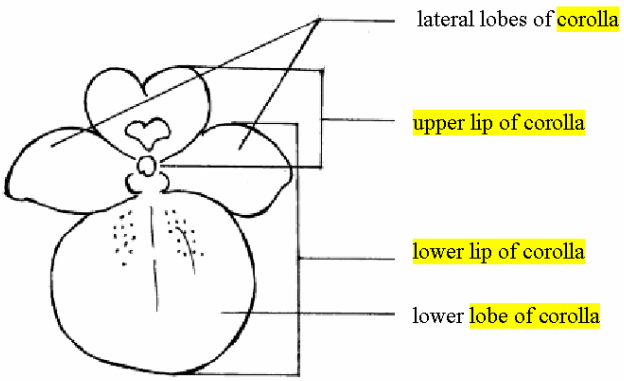
(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 27	to delete "intensity of"
Ad. 21	to check whether illustration for state 7 is intended to be state 9 (illustrations for state 1, 5 and 9 would be sufficient)

TG/DIASC(proj.3)	Diascia

Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines submitted to the TC:

Cover page	to add German common name "Doppelhörnchen"
3.5.1, 3.5.2	to add "on single plants" after "all observations" or delete "and any other observations made on all plants in the test"
4.2.3, 4.2.4	to check whether all types exist and amend to cover only existing types of varieties
4.3.2	to change "plant stock" to "seed or plant stock"
4.3.3	to check whether hybrid varieties exist
Char. 1	to delete note concerning GB
Char. 2	to delete blank row and keep example varieties on one line
Char. 5	state 2 to read "medium" *(already changed)*

Char. 12	to clarify whether the variegation could be the main color
Char. 13	to check if should be color of variegation
Char. 15	to check whether to change notes to 3, 5, 7
Char. 21	to read "Corolla: reflexing of lateral lobes"
Chars. 22, 23, 24, 25	to read "Corolla: lower lobe: …"
Char. 26	to check whether to change notes to 3, 5, 7
Chars. 28-30	to read "spur" instead of "spurs"
Char. 31	to read "Spur: attitude of tip"
Char. 29	to delete "main" (covered by explanation) *(already changed)*
Ad. 21, 22	to replace with following: 
9.	formatting to be checked
TQ 5.2	to correct note "2" to note "9"
TQ 5.4	example variety to read "Codiusre" instead of "Codusre"
TQ 5.5	to have notes 3, 5, 7

TG/HUSK(proj.5)	Husk Tomato

Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines submitted to the TC:

2.3	to check whether the quantity of seed could be reduced
3.5	to insert "on single plants" and add "and any other observations made on all plants in the test."
5.3 (e)	to check why Char. 28 (Fruit: main color (at physiological maturity)) used for grouping, but Char. 30 (Fruit: main color (at harvest maturity)) included in TQ
5.3 (g)	to check whether should be included in TQ
Char. 2	state 1 (Spanish) to be in normal font (not bold)
Char. 3	to have the states: low (3); medium (5); high (7)
Char. 5	to check whether truly QL and, if not, to be combined with Char. 6 as QN characteristic.

Char. 8	to be indicated as QN
Char. 11	to check whether to have notes 1, 2, 3 (note 3 = strong) – as in Ad. 11. or to have notes 1, 3, 5
Char. 13	font size to be corrected for "QN" and "(d)"
Char. 16	to check whether to be indicated as QN
Char. 18	to check whether this characteristic should be moved with Char. 34
Char. 19	to check whether to move after Char. 16 and check if note (d) is correct
Char. 20	to check whether notes should be 3, 5, 7, 9
Char. 21	font size to be corrected for "QN" and "(d)"
Chars. 21, 22	to add a (+) with an illustration to indicate which measurements to take.
Char. 22	state 3 (English) to be in normal font (not bold)
Char. 24	font size to be corrected for "circular"
Char. 34	to reverse order of states
Char. 35	to check whether to remove (+) (there is no Ad. 35) and to be indicated as QL
Char. 36	to check whether QL and, if not, to be indicated as QN with 3 states
Char. 37	to check whether truly QL and, if not, to be combined with Char. 38 as QN characteristic.
Char. 38	to be indicated as QN and to add state 1: very weak (unless combined with Char. 37)
Char. 41	to keep states on same page
Char. 42	state 1 (English) to be in normal font size
Char. 44	to have at least 3 states
Char. 44	state 1 (English, French) to be in normal font size
Char. 46	to delete note (a)
Char. 47	to delete note (d)
Char. 48	to delete note (e)
Char. 49	to move text in brackets to Ad. 49
8.1 (a)	to check whether to be deleted
8.1 (c), (d), (e)	"notes" to be replaced by "nodes"
8.1(d) and (e)	to check whether sentences about flower measurements should be deleted
Ad. 1	to replace "right" with "immediately"
Ad. 29, 31	"must" to be replaced by "should"
Ad. 29, 31	to check whether to reword to read "The intensity of color in *each* example variety of characteristic…."
Ad. 35	to be provided (has (+) in the Table of Characteristics) or (+) to be deleted
Ad. 41	to read "This characteristic should be evaluated by comparing and contrasting the firmness of the candidate variety against the example varieties, using the index finger and the thumb."
Ad. 42	"must" to be replaced by "should" and to use a number of samples which corresponds to 2 replicates (see Chapter 3.4.1)
Ad. 46	"has" to be replaced by "have"
Ad. 47	to read "The time of harvest maturity is when the fruit is fully developed"
Ad. 49	to read "The test begins at harvest maturity. One fruit from each plant in each replication and environment is harvested and the 10 fruits from each replication are put in a polyethylene bag. The bags need to be stored inside. The classification is done by comparing and contrasting the candidate variety against the example varieties, verifying the shelf- life of each variety."

9.	formatting to be corrected
TQ 4	footnote to be added
TQ 5	to be aligned with Table of Characteristics
TQ 9	to be updated and to check whether 9.3 is necessary

TG/HYPER_PER(proj.3)	St. John's Wort

Changes to document TG/HYPER_PER(proj.2), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/HYPER_PER(proj.3)), submitted to the TC:

2.2	to change "seeds" to "seed"
3.1	to delete "after an establishment year"
3.5	to read: "Unless otherwise indicated, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observation should be made on all plants in the test."
6.5	MG etc.: to correct reference to "3.3.2"
Chars. 11, 12	to add (*) (TQ characteristic)
Char. 16	to delete note (b) or (+) *Leading Expert: delete note (b)*
Char. 18	to be indicated as QN
Ad. 11	to add arrows to illustration for both types of gland
Ad. 17	new illustration provided by Leading Expert
Ad. 18	to read : … only a few flowers remain"
Ad. 19	"of a variety" to be deleted
4.2.1 (d)	to check if should be labeled as "4.2.2"? (i.e. other than seed-propagated) *Leading Expert: agreed*

TG/MOM(proj.3)	Bitter Gourd

(a) Changes to document TG/MOM(proj.2), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/MOM(proj.3)), submitted to the TC:

General	to check paragraph spacing (e.g. after 2.3)
3.4, 4.2.3	to specify a "round" number of plants (e.g. 30 or 40) *Leading Expert: to indicate 40 plants*
3.5	To read: "Unless otherwise indicated, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observation should be made on all plants in the test."
Char. 2	to correct alignment of first two columns
Char. 3	the word "characteristic" to be deleted
Char. 7	to consider rewording to "Leaf blade: ratio length/width lobe" with states small (1) medium (2) large (3) and example varieties to be indicated accordingly. *Leading Expert: agreed*

Char. 8	- to check if QL (appears to be QN) - to explain how to determine a lobe *Leading Expert: no change*
Char. 17	example variety to be provided for state 1 (asterisked characteristic) *provided by Leading Expert*
Char. 20	to read "Wart: size" *Leading Expert: agreed*
Chars. 20-22	to add (+)
Char. 21	- to read "Wart: shape of top" *Leading Expert: agreed* - to correct spelling of "obtuse"
Char. 21	example variety to be provided for state 3 (asterisked characteristic) *provided by Leading Expert*
Char. 22	to be moved before Char. 20 *Leading Expert: agreed*
Char. 23	to read "Wart: presence of spines" *Leading Expert: agreed*
Char. 25	example varieties to be provided for all states (asterisked characteristic) *provided by Leading Expert*
Chars. 26 & 27	to check if should be "MG" instead of "MS" *Leading Expert: agreed*
Char. 27	to check whether to add note (e) *Leading Expert: agreed*
Char. 30	to read "Seed: indentation of edge" *Leading Expert: agreed*
Char. 31	states to be kept on same page
Char. 31	example varieties to be replaced: *provided by Leading Expert*
8.1 (a)	to become Ad. 1 *Leading Expert: agreed*
8.1 (e)	harvest maturity to be defined *provided by Leading Expert*
Ad. 7	highlighted text to be deleted
Ad. 19	*new illustration for state 4 provided by Leading Expert*
Ad. 20, 24	add Ad. 20-22 to title
Ad. 26, 27	harvest maturity to be defined *provided by Leading Expert*
Ad. 30	*new illustrations provided by Leading Expert*
9.	*literature provided by Leading Expert*
TQ 5.5	to change "deep" to "dark"
TQ 6	example provided Leading Expert: *Fruit: shape in longitudinal section / spindle-shaped / oblong*
TQ 7.3.1	"to be checked" to be deleted (checked by Leading Expert)
TQ 7.3.1	to add "7.3.2" before "A representative…"

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

Char. 25	explanation to be provided (has a (+)) and to define "ripe" (to check in relation to note (e))
Char. 31	explanation of physiological maturity to be provided
9.	In "Ministry of Agriculture…" reference to add space after "Bitter"

TG/SUTERA(proj.4)	Sutera and Jamesbrittenia

(a) Changes to document TG/SUTERA(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 9, 2007, which are already incorporated in the draft Test Guidelines (document TG/SUTERA(proj.4)), submitted to the TC:

Table of Chars.	to check and delete unnecessary spaces before or after "**:**" in French and Spanish
Char. 12	to check whether to add "blade" after "leaf" (twice) *Leading Expert: agreed*
Char. 13	example variety to be provided for state 9 *provided by Leading Expert*
Char. 20	example varieties to be provided *provided by Leading Expert*
Ad. 10	title to be amended according to Table of Characteristics
Ad. 10	to check whether first example illustration of state 2 to be deleted (broadest part is at base) *Leading Expert: agreed*
Ad. 15	to move "only" before "has"
Ad. 18, 19, 20, 24	Ad. 24 title to be kept on one line
Ad. 18, 19, 20, 24	*Leading Expert: indication in pictures - to read "corolla", not "corolla lobe"*
TQ 5	to check and delete unnecessary spaces after "**:**"
TQ 5.5(ii), 5.6	last state of expression to read: "other color (indicate)"

(b) Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines, submitted to the TC:

8.1 (b)	to clarify if color of variegated part could, or would not, be the main color (it could have the largest area in some cases) (see TGP/14: Color)

TG/TAGETE(proj.6)	Tagetes

Changes proposed by the Enlarged Editorial Committee in March 2007, which are to be included in the Test Guidelines submitted to the TC:

Char. 17	(a) to read "Only varieties with ligulate floret type: …; (b) to have the states: very few (1); few (3); medium (5); many (7)
Char. 18	example variety to be provided for state 2
Char. 21	to underline "Only varieties with incision of margin absent"
Char. 24	to delete "(+)"
Chars. 27, 30	to delete "or only" and, if required, provide explanation to explain that the main color may be the only color
Ad. 15	photographs to be replaced
Ad. 18	to be provided
Ad. 19	state "present" to have note 9
Ad. 24	to be deleted
TQ 1	to replace "Latin" with "Botanical"
TQ 5.6, 5.7	to have the option of color groups as presented in Chapter 5.3 (Grouping)

[End of Annex II and of document]