



TC/47/26

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

TECHNICAL COMMITTEE

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

REPORT ON THE CONCLUSIONS

adopted by the Technical Committee

Opening of the session

1. The Technical Committee (TC) held its forty-seventh session in Geneva, from April 4 to 6, 2011. The list of participants is reproduced in Annex I to this report.
2. The session was opened by Mr. Joël Guiard (France), Chairman of the TC, who welcomed the participants.
3. The Chairman reported that the former Yugoslav Republic of Macedonia had deposited on April 4, 2011, its instrument of accession to the 1991 Act UPOV Convention, and would become the sixty-ninth member of the Union on May 4, 2011.

Adoption of the agenda

4. The TC adopted the agenda as presented in document TC/47/1 Rev.2.

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

5. The Vice Secretary-General provided an oral report, in the form of a Powerpoint presentation, on the sixty-first and sixty-second sessions of the Administrative and Legal Committee (CAJ), seventy-ninth and eightieth sessions of the Consultative Committee and the twenty-seventh extraordinary session and the forty-fourth ordinary session of the Council.

6. The Vice Secretary-General noted also that the Association for Plant Breeding for the Benefit of Society (APBREBES) and the European Coordination Via Campesina (ECVC) had been granted observer status in the Council, the Administrative and Legal Committee (CAJ), the TC and the Technical Working Parties (TWPs), and that observer status for CropLife International had been extended to the CAJ, the TC and the TWPs.

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)

7. The TC received oral reports, in the form of Powerpoint presentations, 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

8. The TC considered document TC/47/3.

I. MATTERS FOR INFORMATION AND FOR A POSSIBLE DECISION TO BE TAKEN BY THE TECHNICAL COMMITTEE

9. The TC agreed to request the Office of the Union to invite experts to submit written reports to the Office of the Union in advance of the Technical Working Party (TWP) sessions in order that a document containing those reports could be prepared by the Office of the Union. The TC noted that TWP experts would be invited to make a brief oral summary of their written report at the session and would also be encouraged to make reports under the agenda item "Experiences with new types and species", as appropriate.

10. The TC also noted that TWP experts would have an opportunity to raise questions concerning matters of interest.

II. MATTERS FOR INFORMATION

11. The TC noted the matters for information provided in document TC/47/3.

Molecular techniques

12. The TC considered document TC/47/7.

BMT Guidelines

13. The TC noted the adoption of document UPOV/INF/17/1 “UPOV Guidelines for DNA-profiling: molecular marker selection and database construction (BMT Guidelines)”.

Revision of documents TC/38/14-CAJ/45/5 and TC/38/14 Add.-CAJ/45/5 Add.

14. The TC agreed that document BMT/DUS Draft 5 should be amended as indicated in that document, with the following further modifications:

General	Editorial Committee to check the French, German and Spanish translations before the document is prepared for adoption by the Council.
2.4	to delete “System for”
Annex 4 - Title	to delete “System for”

15. The TC agreed that document BMT/DUS Draft 5, as amended above and subject to agreement by the CAJ at its sixty-third session, to be held in Geneva on April 7, 2011, should be the basis for adoption of document BMT/DUS by the Council at its forty-fifth ordinary session, to be held in Geneva on October 20, 2011.

Possible development of document TGP/15

16. The TC agreed that document TGP/15 should be developed separately, but in parallel, to document BMT/DUS on the basis that document BMT/DUS would provide a report on the development and consideration of all models within UPOV and that document TGP/15 would provide guidance for the use of those models that had received a positive assessment and for which accepted examples could be provided, i.e. Models “Characteristic-specific molecular markers” (Section 3.1.1) and “Combining phenotypic [characteristics] and molecular distances in the management of variety collections” (Section 3.1.2) for the time being. It agreed that the purpose of both documents should be clarified within the documents and noted that both documents would need to be adopted by the Council. The TC also agreed that consideration should be given to how to maintain both documents in an efficient way.

International guidelines on molecular methodologies

17. The TC noted the information on international guidelines on molecular methodologies presented to the BMT at its twelfth session, as set out in document TC/47/7, paragraphs 34 and 35.

Ad hoc crop subgroups on molecular techniques (Crop Subgroups)

18. The TC noted that there had been no meetings of the Crop Subgroups since its forty-sixth session and noted that Mr. Joost Barendrecht, Chairman of the Crop Subgroup for Rose had retired and that it would be necessary to appoint a new chairman of the Crop Subgroup for Rose if a meeting was planned.

Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT)

19. The TC noted the report on developments in the BMT, as set out in paragraphs 41 to 43 of document TC/47/7. The TC approved the program for the thirteenth session of the BMT, to be held in Brasilia, Brazil, from November 22 to 24, 2011, with the preparatory workshop to be held on November 21, 2011, as set out in paragraphs 44 and 45 of that document. The TC agreed that, in order to encourage the presentation of information in relation to the use of molecular techniques in examining essential derivation and in variety identification, it would be appropriate to dedicate a specific day to those items at the thirteenth session of the BMT. The TC noted that breeders and other experts would be offered the possibility to attend for that specific day, which would be on November 22, 2011.

Variety denominations

20. The TC considered document TC/47/8.

Revision of UPOV/INF/12 “Explanatory Notes on Variety Denominations under the UPOV Convention”

21. The TC noted the report on the adoption of document UPOV/INF/12/3, the publication of that document and the updating of the GENIE database with the amended UPOV codes for the relevant taxa.

Eupatorium and Eutrochium

22. The TC noted the botanical synonymies that existed for species of *Eupatorium* L. and invited the TWO to consider the following possible solutions to that situation at its forty-fourth session to be held from November 7 to 11, in Fukuyama City, Hiroshima Prefecture, Japan:

(a) Continue to consider all species currently included within the genus “*Eupatorium*” in the UPOV-ROM as “*Eupatorium*” (i.e. *Eupatorium purpureum* L., *Eupatorium dubium*, *Eupatorium ligustrinum*). The TC noted that this approach would not follow the “Guide to the UPOV Code System” and would not guarantee to avoid problems with other species of

“Eupatorium” that might occur in the UPOV-ROM in future: GRIN lists 91 species / subspecies that are sometimes included within “Eupatorium”, of which only 17 are considered by GRIN to fall within *Eupatorium* L.. The TC noted that this approach would have the effect of creating a denomination class for “Eupatorium”, without explicitly establishing the coverage of the class;

(b) Create a new denomination class in document UPOV/INF/12/3 “Explanatory notes on variety denominations under the UPOV Convention”, Annex I: Part II. “Classes encompassing more than one genus” to cover relevant genera, e.g. *Eupatorium* L., *Eutrochium* Raf., *Ageratina* Spach, etc.; or

(c) Apply the GRIN botanical classification of species and continue to follow the General Rule (one genus / one class). For example, the varieties in the UPOV-ROM indicated as *Eupatorium purpureum* L. would be considered as *Eutrochium purpureum* (L.) E. E. Lamont var. *purpureum* and would be allocated a UPOV code for the genus *Eutrochium* Raf.. The TC noted that such an approach would require that the appropriate species could be correctly identified for the 12 varieties, and any other such entries in future, indicated as *Eupatorium* L. in the UPOV-ROM. The TC noted that this it would also be necessary to amend the UPOV codes for the species concerned.

23. The TC invited the TWO to consider the above at its session in 2011.

Information concerning the registration of variety denominations as trademarks

24. The TC noted the information concerning the registration of variety denominations as trademarks, as set out in document TC/47/8, paragraphs 15 to 19.

Information and databases

(a) UPOV information databases

25. The TC considered document TC/47/6 and the presentation of the prototype of the web-based version of the Plant Variety Database, made by Mrs. Lili Chen, Software Developer, World Intellectual Property Organization (WIPO).

26. The TC noted the developments concerning:

(a) the GENIE database, as set out in document TC/47/6, paragraphs 2 to 4

(b) the UPOV code system, as set out in paragraphs 5 to 7 and note that the Office of the Union would prepare tables of UPOV code additions and amendments, for checking by the relevant authorities, for each of the Technical Working Party (TWP) sessions in 2011; and

(c) the program for improvements to the Plant Variety Database (“Program”), as set out in document TC/47/6, paragraphs 8 to 31.

Timetable for introduction of web-based version of Plant Variety Database

27. The TC agreed with the proposal that a web-based version of the Plant Variety Database, based on the existing content of the UPOV-ROM Plant Variety Database, be launched on the UPOV website during the course of 2011. The TC noted that the database would contain the same data as provided for the UPOV-ROM, according to existing data submission procedures, and would include similar search functions. It noted that, in addition, provisions would be made for the results of the searches to be downloaded in the form of an Excel spreadsheet or an html report, thereby enabling full access to the data in the Plant Variety Database.

28. The TC noted that the prototype of a web-based version of the Plant Variety Database would also be presented at the sixty-third session of the CAJ, to be held on April 7, 2011, and the eighty-first session of the Consultative Committee, to be held in Geneva on April 8, 2011. It noted that the comments of the TC and the CAJ would be reported to the Consultative Committee, at its eighty-first session, in conjunction with the invitation for the Consultative Committee to approve the proposals concerning the launching of the web-based version of the Plant Variety Database, as set out in document TC/47/6.

Policy for access to Plant Variety Database

29. With regard to the web-based version of the Plant Variety Database, the TC noted that the Consultative Committee, at its eighty-first session, to be held in Geneva on April 8, 2011, would be invited to consider the following policy options for access:

(a) free access to all users;

(b) free access to all members of the Union, contributors to the Plant Variety Database and other parties agreed by the members of the Union. Other subscribers to be charged on the basis of:

(i) an annual fee, similar to that charged for the UPOV-ROM; or

(ii) a fee according to use, e.g. number of searches.

30. The TC noted the support by some delegations for free access to all users.

Title of the Plant Variety Database

31. The TC agreed with the proposal to rename the Plant Variety Database as “VENUS” and the development of a suitable visual icon.

(b) Variety description databases

32. The TC considered document TC/47/9.

33. The TC noted the information provided on variety description databases at the sessions of the TWV, TWF and TWO, as set out in document TC/47/9.

34. The TC agreed to request the experts from France to present the concept of a database containing pea variety descriptions of member of the Union to the Technical Working Parties at their sessions in 2011 and to the Technical Committee at its forty-eighth session.

(c) Exchangeable software

35. The TC considered documents TC/47/12 and UPOV/INF/16/2 Draft 1.

Translation of User Guide for the SIRIUS system of data capture

36. The TC noted the report on developments concerning the translation of the user guide for the SIRIUS system into English, as set out in document TC/47/12.

*Updating of information on the use of the software presented in document UPOV/INF/16/1
“Exchangeable Software”*

37. The TC approved the content of document UPOV/INF/16/2 Draft 1. It noted that, subject to agreement by the CAJ at its sixty-third session, to be held in Geneva in October 2011, document UPOV/INF/16/2 would be put forward for adoption by the Council at its forty-fifth ordinary session, to be held in Geneva on October 20, 2011.

New software to be considered for inclusion in document UPOV/INF/16 “Exchangeable Software”

38. The TC noted the accessibility to members of the Union of the CPVO Centralised Database of Variety Denominations of the Community Plant Variety Office (CPVO) of the European Union and noted that the CPVO was considering means of making its software for checking variety denominations available to members of the Union.

39. The TC agreed that document UPOV/INF/16 should be modified in order to allow the offer for assistance on the electronic office management systems made by the CPVO, as set out in document TC/47/12, paragraph 16, to be included.

40. The TC noted that the Netherlands and the Russian Federation would be invited to present their proposed exchangeable software, as set out in Annexes I and II to document TC/47/12, respectively, at the twenty-ninth session of the TWC for possible inclusion in a future revision of document UPOV/INF/16.

(d) Electronic application systems

41. The TC considered document TC/47/13.

Standard references for the UPOV Model Application Form and Linear Blank Form

42. The TC agreed that the Office of the Union should seek information on the extent to which members of the Union use the standard references to the UPOV Model Application Form in their application forms.

Linear Blank Form corresponding to Section 2: “UPOV Model Form for the Application for Plant Breeders’ Rights” (Linear Blank Form for PBR Applications)

43. The TC noted that it was planned that the Linear Blank Form for PBR Applications be developed with the following features:

(a) users* could select the language in which the items in the Linear Blank Form for PBR Applications would be presented (Input Template language);

(b) users could select (a) language(s) in which the completed Linear Form for PBR Applications could be downloaded (Output Template language);

(c) users could choose the format in which to download the completed Linear Form for PBR Applications: Word, Excel, XML and/or PDF;

(d) users could choose to store the input data in an associated database (hosted by UPOV), in order, for example, to allow further downloading in different languages and/or formats. The data would be password protected and the password would only be issued to the user concerned; and

(e) a disclaimer that the use of the information associated with the Linear Blank Form for the filing of an application for a breeder’s right with the authority of a member of the Union would be the responsibility of the user.

44. The TC noted that the languages in which the Linear Blank Form for PBR Applications would be developed would be prioritized on the basis of discussions with the international breeders’ organizations and according to available resources. In the case of languages other than English, French, German and Spanish, interested members of the Union would be consulted before the relevant language versions were made available on the UPOV website. In addition, there would be an explanation that the translations had not been adopted by the Council.

45. The TC noted that International Seed Federation (ISF) would be willing to contribute financial resources to the development of the Linear Blank Form for PBR Applications on the basis of the concept set out above.

46. The TC noted that the European Union was working with two of its member States on the use of the CPVO electronic application system. The Delegation of the European Union offered to provide information on its experiences on that project. The TC agreed the report on developments should be made at its forty-eighth session.

TGP documents

47. The TC considered the following documents in conjunction with document TC/47/5:

* The term “user” is used instead of “applicant” or “breeder”, in order to avoid any implication that the use of the Linear Blank Form for PBR Applications might indicate that an application is being filed for a plant breeder’s right.

(a) New TGP document*TGP/11 Examination of Stability*

48. The TC agreed that document TGP/11/1 Draft 10 should be amended as indicated in that document, with the following further modifications:

Annex I	
1.3	to replace the second paragraph to read as follows: “In addition to the five trees supplied for the examination of distinctness, a second set of test trees are required for the assessment of uniformity and stability. The minimum number of trees required is 25 trees on MM106, or 30 trees on M9. The trees can be located on a site selected by the breeder or agent and should be established at the same time as trees supplied for the examination of distinctness. These trees should be at least second propagation cycle trees and be of the same standard and quality as those used for the testing of distinctness.”

49. The TC noted that ISF considered that there was no need to organize a seminar on the submission of parent lines for hybrid varieties of vegetables where the parent lines were not examined as part of the DUS examination of the hybrid, but proposed that the discussions should continue in the relevant TWPs.

50. The TC agreed that document TGP/11/1 Draft 10, as amended above and subject to agreement by the CAJ at its sixty-third session, to be held in Geneva on April 7, 2011, should be the basis for adoption of document TGP/11/1 by the Council at its forty-fifth ordinary session, to be held in Geneva on October 20, 2011.

(b) Revision of TGP documents*TGP/5 Section 10/2 – Experience and Cooperation in DUS Testing: Notification of Additional Characteristics*

51. The TC agreed that document TGP/5: Section 10/2 Draft 2 should be amended as indicated in that document, with the following further modifications:

4.2, 4.3	to replace the text to read as follows: “4.2 Proposals for additional characteristics and states of expression notified to the Office of the Union by means of document TGP/5 Section 10, will be presented to the relevant Technical Working Party(ies) (TWP(s)) at the earliest opportunity with information on the extent of use of the characteristic. The characteristics will then, as appropriate, be posted on the password-restricted area of the UPOV website (http://www.upov.int/restrict/en/index_drafters_kit.htm), on the basis of comments made by the relevant TWP(s), and/or the TWP(s) may initiate a revision or a partial revision of the Test Guidelines concerned.”
Annex	to put information about extent of use of the characteristics in the box for explanation/illustration

52. The TC agreed that document TGP/5: Section 10/2 Draft 2, as amended above and subject to agreement by the CAJ at its sixty-third session, to be held in Geneva on April 7, 2011, should be the basis for adoption of document TGP/5: Section 10/2 by the Council at its forty-fifth ordinary session, to be held in Geneva on October 20, 2011.

TGP/7 Development of Test Guidelines

(i) *Revisions proposed in document TC/47/16*

53. The TC considered document TC/47/16.

Coverage of ornamental varieties in Test Guidelines

54. The TC agreed to the addition of new Additional Standard Wording (ASW) for Chapter 1 of the Test Guidelines in a future revision of TGP/7 “Development of Test Guidelines”, as follows:

“In the case of [ornamental] [fruit] [industrial] [vegetable] [agricultural] [etc.] varieties, in particular, it may be necessary to use additional characteristics or additional states of expression to those included in the Table of Characteristics in order to examine Distinctness, Uniformity and Stability.”

with an explanation in document TGP/7 that such wording should not lead to any particular conclusions as to whether other types of varieties should or should not be covered by the development of separate Test Guidelines, since that would need to be considered on a case-by-case basis.

Quantity of plant material required

55. The TC agreed that the guidance in document TGP/7, GN 7 “Quantity of plant material required” should be extended to encourage Leading Experts to consider the quantity of plant material required in relation to the following factors:

- (i) Number of plants/ parts of plants to be examined
- (ii) Number of growing cycles
- (iii) Variability within the crop
- (iv) Additional tests (e.g. resistance tests, bolting trials)
- (v) Features of propagation (e.g. cross pollination, self pollination, vegetative propagation)
- (vi) Crop type (e.g. root crop, leaf crop, fruit crop, cut flower, cereal, etc.)
- (vii) Storage in variety collection
- (viii) Exchange between testing authorities
- (ix) Seed quality (germination) requirements
- (x) Cultivation system (outdoor/glasshouse)
- (xi) Sowing system
- (xii) Predominant method of observation (e.g. MS, VG)

56. The TC agreed that Additional Standard Wording (ASW) should be developed in order to provide guidance in the Test Guidelines on whether the quantity of plant material required

in Chapter 2 of the Test Guidelines relates to both growing cycles in the case of Test Guidelines indicating two growing cycles.

57. The TC agreed that the guidance in document TGP/7, GN 7 should be extended to encourage Leading Experts to consider the quantity of plant material required for similar crops in order to seek consistency as far as that was appropriate. In that regard, it agreed that a summary of the following information should be prepared by the Office of the Union for all adopted Test Guidelines and made available to Leading Experts on the TG Drafters' webpage in order that information on Test Guidelines for similar crops could be presented to the Subgroup of Interested Experts by the Leading Expert:

- (a) Chapter 2.3 Minimum quantity of plant material to be supplied by the applicant
- (b) Chapter 3.1 Number of growing cycles
- (c) Chapter 3.4.1 Each test should be designed to result in a total of at least X plants
- (d) Chapter 4.1.4 Number of plants / parts of plants to be examined for distinctness
- (e) Chapter 4.2 Number of plants to be examined for uniformity
- (f) Number of plants for special tests (e.g. disease resistance)

Applications for varieties with low germination

58. The TC agreed that, for the time-being, no revisions should be considered for document TGP/7 in relation to applications for varieties with low germination.

Selection of asterisked characteristics

59. The TC agreed that the final sentence of document TGP/7/2, GN 13.1 "Asterisked characteristics", Section 1.2, should be amended to read "The number of asterisked characteristics should, therefore, be determined by the characteristics which are required to achieve useful internationally harmonized variety descriptions.". On the basis of that change, it agreed that the guidance provided in document TGP/7, GN 13, on the selection of asterisked characteristics was appropriate and sufficient, and that it would only be necessary to ensure that the guidance is followed in the development of Test Guidelines.

Indication of grouping characteristics

60. The TC agreed that it would not be appropriate to revise document TGP/7 in order to include an indication of grouping characteristics in the Table of Characteristics in the UPOV Test Guidelines.

Guidance for method of observation

61. The TC agreed that document TGP/7/2, GN 25 "Recommendations for conducting the examination" should be extended to provide guidance, by means of illustrative examples, on the appropriate type of observation for characteristics such as dates (e.g. time of flowering) and counts (e.g. number of leaf lobes), on the basis of the examples provided in Annex VI to document TC/47/16 and the comments made on those examples by the TWPs.

Example varieties

62. The TC consider the proposal, prepared by an expert from France, presented in Annex VII to document TC/47/16 and the comments of the TWPs in relation to that proposal and agreed that the subject of example varieties would be considered as a possible matter for discussion on the Monday session of the TC, in 2012.

(ii) *Number of plants to be examined (for distinctness)*

63. The TC considered document TC/47/17.

64. The TC-EDC agreed that the standard wording of Chapter 4.1.4 of the Test Guidelines in document TGP/7/2, as adopted by the Council at its forty-fourth ordinary session, held in Geneva on October 21, 2010, should not be followed in the draft Test Guidelines to be put forward for adoption by the Technical Committee at its forty-seventh session.

65. The TC agreed that the wording in Chapter 4.1.4 of Test Guidelines in document TGP/7/2 should be amended according to the following models:

Alternative 1: “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test, disregarding any off-type plants.”

Alternative 2: “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test, disregarding any off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be { y }.”

66. The TC agreed that Mrs. Beate Rücker (Germany), should be invited to draft suitable guidance on the number of plants to be examined for distinctness for inclusion in a future revision of document TGP/7 with regard to the following:

- (a) the selection of plants to be examined for distinctness from within the trial;
- (b) the minimum number of plants of candidate varieties required to be able complete the trial, i.e. the minimum number of plants required to examine distinctness, uniformity and stability; and
- (c) the number of plants required for varieties of common knowledge to be compared with candidate varieties for the purpose of distinctness.

(iii) *Standard references in the Technical Questionnaire*

67. The TC considered document TC/47/18.

68. The TC agreed to delay consideration of the approach for providing standard references for the UPOV Model Technical Questionnaire and for the characteristics in the Test Guidelines, as set out in Annexes I and II to document TC/47/18, with a view to a future

revision of document TGP/7, pending the outcome of work on the Linear Blank Form for PBR Applications.

(iv) Providing photographs with the Technical Questionnaire

69. The TC considered document TC/47/19. The TC agreed that further consideration should be given to the nature of the guidance of the document in order to avoid setting requirements that were not realistic for breeders. It was also agreed that the relationship between the characteristics in the Technical Questionnaire and the photographs should be clarified.

70. The TC agreed that paragraphs 8, 11 and 12 should be reviewed.

71. The TC noted the report by the Delegation of Japan that guidance on the taking of photographs had been posted on the East Asia Plant Variety Protection (EAPVP) Forum website.

TGP/8 Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability

72. The TC considered document TC/47/20.

73. The TC noted the comments made by the TWPs at their sessions in 2010, with regard to document TGP/8, as set out in document TC/47/20, paragraphs 18 and 24. It agreed that the text of TGP/8/1 “Trial Design and Techniques Used in the Examination of Distinctness, Uniformity and Stability”, Part II, should be amended in a future revision as follows:

(a) 1. The GAIA Methodology, Section 1.3.1.1, should be amended to clarify that there is an assumption that the length of panicle is used as a characteristic;

(b) 5: Pearson’s Chi-Square Test Applied to Contingency Tables, Section 5.5 (4) should be amended to read: “(4) Always use Yates Correction for determining the chi-square test with only one degree of freedom.”

74. The TC agreed the workplan for the development of TGP/8/2, as presented in Annex XV to document TC/47/20.

TGP/12 Guidance on Certain Physiological Characteristics

75. The TC considered document TC/47/23.

76. The TC agreed that document TC/47/23, Annex I, should be developed further with regard to states of expression for quantitative disease resistance characteristics.

77. With regard to the proposed standard disease resistance protocols in Section 2.4 of Annex II to document TC/47/23, the TC agreed that:

- the information items that were not asterisked in the protocol should not be elaborated in detail in the Test Guidelines and should be replaced by a reference

to the contact details for UPOV members that would be able to provide such information on request. The TC agreed that the asterisk symbol should be replaced in order to avoid confusion.

- the explanations for disease resistance characteristics in the Test Guidelines should refer to published methods rather than reproducing the methods in the Test Guidelines.
- it was important to recall that authorities could arrange for tests to be conducted by specialized laboratories and could also use cooperation with other UPOV members in order to address situations where the DUS testing center did not have suitable facilities for conducting the test, or was prevented from conducting such tests because of phytosanitary restrictions. It agreed that it would be useful for document TGP/12 to address such issues and agreed that Mr. Sergio Semon (European Union) should coordinate with Mr. Kees van Ettehoven (Netherlands) the preparation of document TGP/12 for the TWP sessions in 2011.

78. The TC noted the proposals concerning the nomenclature of pathogens, as set out in Section 2.4 of Annex II to document TC/47/23.

79. The TC agreed that the proposal concerning explanations for disease resistance characteristics in Test Guidelines, as set out in Annex I to document TC/47/23.

Disease nomenclature and disease resistance characteristics

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

(i) Revision of existing sections of document TGP/14

80. The TC considered document TC/47/21.

81. The TC agreed the following with regard to a future revision of TGP/14 “Glossary of Terms Used in UPOV Documents”, Section 2: Botanical Terms: Subsection 2: Shapes and Structures: I. Shape:

1. Components of Shape: states of expression for ratios: to invite the TWPs to review the approach for describing ratios.

2. Developing Shape-Related Characteristics: avoidance of duplication of characteristics: to be considered further by the TWPs.

3. Developing Shape-Related Characteristics: perspective from which to observe plant shapes: to recommend that, where appropriate, an explanation for shape characteristics should provide guidance on the perspective from which to observe the shape.

82. With regard to a future revision of TGP/14 “Glossary of Terms Used in UPOV Documents”, Section 2: Botanical Terms: Subsection 2: Shapes and Structures: I. Shape: II. Structure: Section 2.4, the TC agreed that additional definitions for botanical terms, such as for peduncle and petiolule, should be added to document TGP/14 where the provision of

such definitions would help to avoid confusion. However, it confirmed that this should not result in a change to the explanation in document TGP/14/1 that “In general, the meaning of botanical terms which are used in the Test Guidelines to indicate the relevant part of the plant to be examined, but which are not themselves used as states of expression (e.g. bract, petal, berry, etc.), do not require a UPOV specific definition and are not included in this document.”

83. The TC agreed the following definition of “spike” for inclusion in a future revision of document TGP/14/1: Section 2: Botanical Terms: Subsection 2: Shapes and Structures: III. Definitions for Shape and Structure Terms:

Spike	an indeterminate inflorescence with sessile flowers on an unbranched axis.
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(ii) *New Section for Color Characteristics*

84. The TC considered document TC/47/22.

85. The TC noted that the draft Subsection on color, prepared by experts from the European Union and the Netherlands, as presented in the Annex to document TC/47/22. The TC noted that a new draft would be considered further by the TWPs at their sessions in 2011, with a view to inclusion in a future revision of document TGP/14.

(c) Program for the development of TGP documents

86. The TC agreed the program for the development of TGP documents, as set out in the Annex to document TC/47/5, subject to the revision of document TGP/7 as set out in paragraph 99 of this report..

Method of calculation of COYU

87. The TC considered document TC/47/11.

88. The TC noted the developments concerning the method of calculation of COYU as set out in document TC/47/11, paragraphs 10 and 11, and requested the TWC to continue its work with the aim of developing recommendations to the TC.

Assessing uniformity by off-types on the basis of more than one sample or sub-samples

89. The TC considered document TC/47/14.

90. The TC considered the information provided in document TC/47/14, Annexes I to VI, in relation to matters that might be considered in a future version of document TGP/8.

DUS examination of seed-propagated varieties of Papaya

91. The TC considered document TC/47/15 and agreed that a proposed revision of the Test Guidelines should be considered by the TWF at its session in 2011.

Preparatory workshops

92. The TC considered document TC/47/10.

93. The TC noted the report of the preparatory workshops held in 2010 and agreed the proposed program for 2011. It agreed that consideration should be given to the inclusion of items for molecular techniques, essentially derived varieties, variety identification and the relationship between the UPOV Convention and other international treaties.

List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability

94. The TC noted the information provided in document TC/47/4 and heard that the number of genera and species for which members of the Union had practical experience had increased from 2,254 in 2010 to 2,679 in 2011.

95. The TC agreed that document TC/47/4 should be updated for the forty-eighth session of the TC.

Test Guidelines

96. The TC considered documents TC/47/2 and TC/47/24.

Test Guidelines for adoption

97. The TC noted that the Council, at its forty-third ordinary session, held in Geneva on October 22, 2009, had endorsed the practice whereby Test Guidelines are adopted by the TC on behalf of the Council on the basis of the program of work approved by the Council, without the individual Test Guidelines being submitted to the Council for review (see document C/43/17 “Report”, paragraph 38). The TC noted that, at its forty-fourth ordinary session, held in Geneva on October 21, 2010, the Council had noted the work of the TC, the TWPs and the BMT, as provided in document C/44/10, and had approved the programs of work set out in document C/44/10 (see document C/44/16 “Report on the decisions”, paragraph 41).

98. The TC agreed that the wording of document TGP/7/2, as adopted by the Council at its forty-fourth ordinary session, held in Geneva on October 21, 2010, with regard to Chapter 4.1.4 should not be followed in the Test Guidelines to be adopted at its forty-seventh session. It agreed that the Test Guidelines to be adopted by the TC should incorporate the amended wording for Chapter 4.1.4, as follows:

Alternative 1: “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test, disregarding any off-type plants.”

Alternative 2: “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on { x } plants or parts taken from each of { x } plants and any other observations made on all plants in the test, disregarding any

off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be { y }.”

99. The TC noted that the Council, at its forty-fifth ordinary session to be held on October 20, 2011, would need to adopt the revised text for document TGP/7 before the Test Guidelines could be adopted. Therefore, it agreed to adopt the Test Guidelines subject to the Council adopting the necessary revision to document TGP/7.

100. 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 TC-EDC, subject to the Council adopting the necessary revision to document TGP/7 as set out in paragraph 99 of this report:

Document No. N° du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
NEW TEST GUIDELINES					
TG/ACERO(proj.4)	acerola, Barbados-cherry, West Indian-cherry	cerise de Cayenne, cerisier de Barbade, cerisier des Antilles	Barbadoskirsche, Westindische Kirsche	Acerola, Someruco	Malpighia emarginata DC
TG/AGAPA(proj.4)	African Lily, Agapanthus, Blue Lily, Lily of the Nile	Agapanthe, Fleur d'amour	Agapanthus, Schmucklilie	Agapanto, Estrella de mar	Agapanthus L'Hér.
TG/BOUGA(proj.5)	Bougainvillea	Bougainvillée, Bougainvillier	Bougainvillee	Bugambilia, Buganvilla	Bougainvillea Comm. ex Juss.
TG/CACAO(proj.4)	Cacao	Cacaoyer	Kakao	Cacao	Theobroma cacao L.
TG/CAMEL(proj.4)	Camellia	Camélia	Kamelie	Camelia	Camellia L. (excluding Camellia sinensis L. O.Kuntze)
TG/DRAGON(proj.5)	Dragon Fruit, Strawberry pear	Pitahaya, Fruit du dragon, Œil de dragon	Pitahaya, Drachen-Frucht	Pitahaya	Hylocereus undatus (Haw.) Britton et Rose
TG/HIBIS(proj.7)	Rose-of-Sharon, shrub-althaea	Hibiscus de Syrie	Hibiskus, Echter Roseneibisch	Alteia-Arbustiva, Hibisco Colunar, Hibisco da Siria, Rosa de Sharao	Hibiscus syriacus L.
TG/RUMEX(proj.7)	Dock, Garden sorrel, sorrel, sorrel dock, sour dock	Grande oseille, Oseille commune	Wiesensauerampfer, Großer Sauerampfer	Acedera común	Rumex acetosa L.
TG/SETARIA(proj.5)	Foxtail Millet, Italian Millet, Hungary Millet	Millet d'Italie, Millet des oiseaux, Setaire d'Italie	Italienhirse, Kolbenhirse	Dana, Mijo de cola de zorro, Mijo de Hungria	Setaria italica L., Setaria italica (L.) P.Beauv.
TG/TOREN(proj.4)	Bluewings, Torenia, Wishbone-flower	Torenia	Torenie	Legazpia blanco, Torenia	Torenia L.
TG/VRIES(proj.6)	Vriesea	Vriesea	Vriesea	Vriesea	Vriesea Lindl.
REVISIONS OF TEST GUIDELINES					
TG/44/11(proj.5)	Tomato	Tomate	Tomate	Tomate	Lycopersicon lycopersicum (L.) Karst. ex. Farw.
TG/51/7(proj.4)	Gooseberry	Groseillier à maquereau	Stachelbeere	Agrazón, Grosellero Silvestre, Uve crespá	Ribes uva-crispa L.
TG/52/6(proj.4)	Red and White Currant	groseillier commun, groseillier rouge	Rote Johannisbeere, Weiße Johannisbeere	grosellero común, grosellero rojo	Ribes rubrum L., Ribes sylvestre (Lam.) Mert. et W.Koch, Ribes vulgare Lam., Ribes sativum (Rchb.) Syme
TG/56/4(proj.4)	Almond	Amandier	Mandel	Almendro	Prunus dulcis (Mill.) D.A.Webb, Prunus amygdalus (L.)

Document No. N° du document Dokument-Nr. No del documento	English	Français	Deutsch	Español	Botanical name Nom botanique Botanischer Name Nombre botánico
TG/57/7(proj.6)	Flax, Linseed	Lin	Lein, Flachs	Lino	Linum usitatissimum L.
TG/84/4(proj.4)	Japanese Plum	Prunier japonais	Ostasiatische Pflaume	Ciruelo japonés	Prunus salicina Lindl.
TG/99/4(proj.4)	Olive	Olivier	Ölbaum, Olive	Olivo	Olea europaea L.
TG/184/4(proj.3)	Cardoon, Globe Artichoke, Cardoon	Artichaut, Cardon	Artischocke; Artischoke; Cardy; Gemüseartischoke- Cardy; Kardonenartischocke	Alcachofa; Cardo	Cynara cardunculus L., Cynara scolymus L.
<u>PARTIAL REVISIONS OF TEST GUIDELINES</u>					
TG/13/10 Rev. (TC/47/2, TC/47/24)	Lettuce	Laitue	Salat	Lechuga	Lactuca sativa L.
TG/55/7 Rev. (TC/47/2, TC/47/24)	Spinach	Épinard	Spinat	Espinaca	Spinacia oleracea L.

101. The TC noted that the wording of Chapter 4.1.4 of the draft Test Guidelines agreed for adoption should be reviewed and, if necessary, amended by the Office of the Union in order to follow the wording set out in paragraph 99 of this report.

102. The TC agreed that, as explained in document TC/47/24, there were technical issues to be resolved concerning the proposed revision of the Test Guidelines for Mandarins (Citrus; Group 1) (document TG/201/1) and recommended that those issues be referred back to the TWF for further consideration. The TC agreed that the proposed draft Test Guidelines for Canna (document TG/CANNA(proj.7)) and Eucalyptus (document TG/EUCAL(proj.6)) be referred back to the TWO for further consideration.

Draft Test Guidelines discussed by the Technical Working Parties in 2010

103. The TC noted the list of Test Guidelines discussed by the Technical Working Parties in 2010, as presented in document TC/47/2, Annex II.

Draft Test Guidelines to be discussed by the Technical Working Parties in 2011

104. The TC noted from document TC/47/3, paragraph 17, that the TWO, at its forty-third session, held in Cuernavaca, Morelos State, Mexico, from September 20 to 24, 2010, had considered document TWO/43/28 and agreed that the UPOV codes should be amended to follow the GRIN classification of Oenothera, i.e. including Gaura, and noted the consequence that Gaura would then be included in the denomination class for Oenothera. The TC noted that the TWO had agreed that there should continue to be separate Test Guidelines for “Oenothera” and “Gaura”. The TC agreed that the TWV should consider whether the Test Guidelines for Oenothera (document TG/144/3) should be revised and should clarify the species of Oenothera that would be covered by the Test Guidelines (see document TWO/43/29 “Revised Report”, paragraphs 54 and 55).

105. The TC agreed the program for the development of new Test Guidelines and for the revision of Test Guidelines, as shown in document TC/47/2, Annex III.

Status of Test Guidelines

106. The TC noted the status of the Test Guidelines, as listed in document TC/47/2, Annex IV.

Adopted Test Guidelines in Word format

107. The TC agreed that, in conjunction with the restructuring of the UPOV website to coincide with the celebration of the Fiftieth Anniversary, adopted Test Guidelines should also be made available in Word format on the freely accessible area of the UPOV website.

Previous adopted versions of Test Guidelines

108. The TC noted the plans of the Office of the Union to make copies of all previous adopted versions of Test Guidelines available on the first restricted area of the UPOV website in conjunction with the restructuring of the website and noted the list of adopted Test Guidelines that have since been replaced, as presented in document TC/47/2, Annex V.

Program for the forty-eighth session

109. The following draft agenda was agreed for the forty-eighth session of the TC, to be held in Geneva in 2012:

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 the Ad Hoc Crop Subgroups on Molecular Techniques
5. Matters arising from the Technical Working Parties
6. TGP documents
7. Molecular techniques
8. Variety denominations
9. Information and databases
 - (a) UPOV information databases
 - (b) Variety description databases
 - (c) Exchangeable software
 - (d) Electronic application systems

10. Method of calculation of COYU
11. Assessing uniformity by off-types on the basis of more than one sample or sub samples
12. DUS examination of seed-propagated varieties of Papaya
13. Preparatory workshops
14. Test Guidelines
15. List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability
16. Program for the forty-ninth session
17. Adoption of the report on the conclusions (if time permits)
18. Closing of the session

110. The TC agreed that the forty-eighth session should be held over three days: Monday morning to Wednesday afternoon. It agreed that the TWP chairpersons should be invited to make a visual presentation under agenda item 4 in the same way as for the forty-seventh session.

111. The TC agreed that the Monday should be dedicated to a discussion on experiences of members of the Union in measures to improve the efficiency and effectiveness of DUS testing.

112. In considering how to improve the effectiveness of the TC work, the following measures were agreed:

(a) to display documents under consideration at the session on the screen in the language of the original document.

(b) to add an indication in document reference of the language.

(c) to consider ways of improving the quality of draft Test Guidelines submitted by the TWPs for adoption to the TC. In that regard, the TC noted the importance of all necessary information being provided by the Leading Expert by the specified date, the importance of the role of the TWP chairpersons and the importance of posting the draft Test Guidelines on the UPOV website sufficiently in advance of the TC-EDC meeting in order that comments could be made before the TC-EDC meeting.

(d) The TC-EDC to hold a two-day meeting in January.

Chairpersons of the Technical Working Parties

113. The TC noted that the terms of office for the Chairpersons of the TWPs and the BMT would expire with the ordinary session of the Council in 2011. As suggested by the respective TWP, the TC proposed to the Council that it elect, at its forty-fifth ordinary session, to be held in Geneva on October 20, 2011, the following persons as Chairpersons for the period 2012-2014:

TWA: Mrs. Robyn Hierse (South Africa)
TWC: Mr. Sami Markkanen (Finland)
TWF: Mrs. Carensa Petzer (South Africa)
TWO: Mr. Nik Hulse (Australia)
TWV: Mr. François Boulineau (France)
BMT: Mr. Alejandro Barrientos Priego (Mexico)

107. The TC adopted this report at the close of its session on April 6, 2011.

[Two 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 French names of the members /
in alphabetischer Reihenfolge der französischen Namen der Mitglieder /
por orden alfabético de los nombres en francés de los miembros)

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

ANNEX II

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

1. NEW TEST GUIDELINES

Acerola (<i>Malpighia emarginata</i> DC.)	TG/ACERO(proj.4)
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Changes to document TG/ACERO(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/ACERO(proj.4), submitted to the TC:

Botanical name	to read “ <i>Malpighia emarginata</i> DC., <i>Malpighia puniceifolia</i> auct. Non L.”
2.2	to read “The material is to be supplied in the form of budsticks with sufficient buds to propagate 5 trees (to be sent at budding time), dormant shoots grafted on a rootstock selected by the testing authority or one-year-old trees grafted on a rootstock selected by the testing authority.”
2.3	to read “- 5 budsticks or - 5 dormant shoots or - 5 one-year-old trees”
3.1.2	to delete “(flowering and/or vegetative)”
4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 2.”
Char. 28	to move after Char. 25
Ad. 21	- to turn the photographs by 180° - to add an asterisk to “below middle” “*The base is the end nearest to the stalk: however, the photographs were taken with the stalk (base) uppermost.”
9.	to adapt literature format

African Lily (<i>Agapanthus</i> L'Hér.)	TG/AGAPA(PROJ.4)
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Changes to document TG/AGAPA(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/AGAPA(proj.4), submitted to the TC:

Alternative Names	- to add Spanish name "Agapando" - to replace semicolons by commas
4.1.4	to read "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants."
Char. 19	to indicate as VG/MS instead of MG/MS
Char. 29	to indicate as VG instead of MG
Char. 45	to indicate as MG/VG instead of MG

Bougainvillea (<i>Bougainvillea Comm</i> Ex Juss.)	TG/BOUGA(PROJ.5)
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(a) Changes to document TG/BOUGA(proj.4), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/BOUGA(proj.5), submitted to the TC

Alternative Names	German name to read "Bougainvillee"
4.1.4	to read "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 9 plants or parts taken from each of 9 plants and any other observations made on all plants in the test, disregarding any off-type plants."
Char. 20	- to move before "Inflorescence: number of bract clusters" - to read "Inflorescence: arrangement of bract clusters"
Char. 29	to read "Young bract: main color of inner side (calyx lobe not open)"
TQ 5	to correct numbering 5.3i

(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

4.1.4	to check whether 5 plants would be sufficient <i>Leading Expert: no, keep 9 plants, most varieties are obtained by mutation</i>
Char. 4	to check whether to delete note (a) <i>Leading Expert agreed</i>
Char. 18 to 22	to be changed to a "plant" characteristic or to provide an explanation. <i>Leading Expert: keep inflorescence, add Ad. 18 to 22: to read "the part of the shoot with colored bracts is considered to be an inflorescence, irrespective of whether flowers are present"</i>
Char. 22	to check whether Char. 22 is different from Char. 21 <i>Leading Expert : yes, they are different, keep as it is</i>

Cacao (<i>Theobroma cacao</i> L.)	TG/CACAO(PROJ.4)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC

4.1.4.2	to read “Vegetatively propagated varieties: Unless otherwise indicated, for the purposes of distinctness, all observations should be made on 5 plants or parts taken from each of 5 plants, disregarding any off-type plants.”
4.2.3	heading to read “Seed propagated varieties”
4.2.4	to delete paragraph
Char. 2	to correct example variety of state 1: to read “EET-164”
Char. 3	to correct example variety of state 3: to read “EET-169”
Char. 5	to read “Young leaf: color” , to add explanation and to check with Leading Expert whether “young leaf” is different from “leaf.”
Char. 6	to read “Flower: anthocyanin coloration of pedicel”
Char. 9	to read “Flower: anthocyanin coloration of sepal”
Char. 12	to correct example variety of state 4: to read “EET-48”
Char. 13	to correct example variety of state 7: to read “RIM-20”
Char. 14	to correct example variety of state 3: to read “RIM-76A”
Char. 19	to read “Fruit: depth of grooves”
Char. 23	to add example varieties: state 1: to read “ICS-1, RIM-231” state 2: to read “IMC-67, POUND-12, Rim-88” state 3: to read “Carmelo, IMC-97, SCA-6”
Char. 24	to add example varieties for state 7: IMC67, IMC 97
Char., Ad. 31	to delete
Ad. 19	to correct position of arrows
9.	to delete “ICA. 1972: Determination of total fat in cocoa products, HC hydrolysis method. International Confectionery Association. 8a/1972. Brussels, Belgium. 1 p.”

Camellia (<i>Camellia</i> L.)	TG/CAMEL (proj.4)
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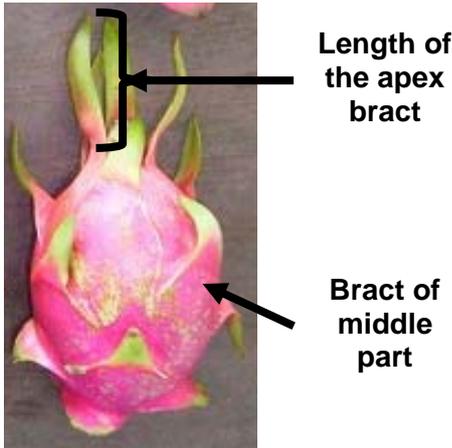
Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC

Char. 8	to read “(1) distichous ,(2) four-row dispersed, (3) dispersed”
Char. 9	to delete states 1 and 9
Chars. 9 and 10	to read VG/MS
Char. 11	to read “(1) below middle third, (2) in middle third, (3) above middle third”
Char 11 and 25	to have same wording
Char. 20	to add example varieties or to delete (*)

Char. 30 to 33	to add (e)
Char. 32	to add example varieties
Char. 33	to read: “Flower: petaloid organs:” with state (3) “all stamen and pistil petaloids”
Char. 36	to add explanation or example varieties
Char. 40	to ask leading expert whether this characteristic refers to conspicuousness of veins, number of veins or both and to provide a better explanation and example varieties
Char. 41	to add (+)
Char. 42	to read “Petal: distribution of shading of main color (excluding variegation)”
Char. 43	to add (+)
Char. 44	to read “Petal: distribution of secondary color”
Char. 45 to 49	to add (g)
8.1	(e) to delete “regular” and “5” (f) to delete “regular” and “in blossoming season” (g) to provide the diagram
Ad. 8	to explain that (2) has a divergence of 90^0 and (3) has a divergence of $>90^0$
Ad 22	to provide drawings that show leaf cross section for states (2) and (3)
Ad 40	to provide better drawings
Ad. 41	to read “The main color is determined as the color with the largest surface area present on the upper side of a petal.”
Ad. 43	to read “The secondary color is determined as the color with the second largest surface area, usually observed as a defined pattern on the upper side of a petal.”
Add. 41, 42, 43, 44	to add standard definition concerning main color, secondary color, etc. “The main color is the color with the largest area and the secondary color is the color with the second largest area on the upper part of the petal. To ask the leading expert whether it would be useful to include the following sentence in the explanation: “In cases where the area of the main and secondary colors are nearly equal, the darker color should be considered to be the main color.”
Add. 48	to provide a new drawing for state (3) “Same level”

Dragon-fruit (<i>Hylocereus undatus</i> (Haw.) Britton et Rose)	TG/DRAGON (proj.5)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC

2.2	to read “The material is to be supplied in the form of ... , sufficient to produce 5 plants.”
2.3	to request 5 one-year old plants instead of 6.
3.4.1	to refer to 5 plants instead of 6
4.1.4	to read ““Unless otherwise indicated, for the purposes of distinctness, all observations should be made on 5 plants or parts taken from each of 5 plants, disregarding any off-type plants.”
4.2.2	last sentence to read “In the case of a sample size of 5 plants, no off-type is allowed.”
Table	to replace MG by MS for char. 2, 3, 6, 7, 11, 16, 17, 18, 23, 27, 28, 31, 34, 35, 38
Char. 12	to add explanation for “main color”
Char. 29	to be indicated as VG/MS
Char. 36	to delete (+)
Char. 38	to delete explanation in brackets
8.1	(a), (b) and (c) to delete “Unless otherwise indicated” (c) To read “Unopened flower: observations should be made 17 days after flower bur burst.” (d) and (e) to delete “All” to delete (f) and to incorporate explanation in Ad 35.
Ad. 3	to read “To be observed at the middle part of the annual stem section”
Ad. 31	to be put together with Ad. 33
Ad. 31 and 33	to have the following illustration and to add an explanation of main color  <p>The illustration shows a dragon fruit with two arrows pointing to specific parts. One arrow points to the top green bract, labeled 'Length of the apex bract'. The other arrow points to a bract on the middle part of the fruit, labeled 'Bract of middle part'.</p>
Ad. 34	to mark where to measure the width
Ad. 35	to read: “To be determined by cutting in transversal section in the middle of the fruit.”

Ad. 38	to read: “The sweetness of the fruit should be observed as the content of total soluble solids. The content of total soluble solids should be assessed in the middle part of the fruit using a refractometer.”
9.	4th reference: to delete full stop after “Hylocereus”

Foxtail Millet (<i>Setaria italica</i> L.)	TG/SETARIA(proj.5)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC

2.3	to delete “and 50 panicles (if required by the authorities)”
4.2.2	to read “For the assessment of uniformity a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 1,000 plants 15 off-types are allowed.”
4.2.3	to delete the first sentence
4.2.4	to be deleted
Char. 2	to read: “Plant: anthocyanin coloration of basal leaf sheath” and to check with the Leading Expert whether the time of assessment is 5 or 7 leaves unfolded and to have consistency with Ad. 2
Char. 3	to read “Plant: intensity of green color
Char. 5	to read “Plant: anthocyanin coloration of base of leaf blade”
Char. 12, 13	to check with Leading Expert whether to be indicates as VG/MS
Char. 15	to check method of observation with Leading Expert
Char. 16, 18, 20, 22, 23 and 24	to check with Leading Expert whether to be indicated as VG/MS
Char. 18 to 21	to check whether it should be observed at stage 92 instead of 91 (as Char. 22 to 26).
Ad. 2	to indicate correct stage of development in char. 2
Ad. 9	to read: “Bristles originate from the sterile spikelets.”
Ad. 15	to delete the text to improve drawing with dotted lines to incorporate titles of Ads. 18, 20, 22 without text.
Ad. 23	to read: “The density of the panicle is the number of rachis per centimetre in the middle third of the panicle.”
Ad. 24	to read: “The number of grains should be counted on a secondary branch taken from the middle third of the panicle.” and to ask Leading expert to provide an explanation on secondary brand
Ad. 29	to add concentration of Potassium Iodide solution
8.3	to check with Leading Expert that the literature for the growth stages should be clearly indicated. It seems to be the BBCH scale for cereals which was adapted to foxtail millet in stage 4 and 5. If the BBCH scale is used, the text should be in line with the publication

Garden Sorrel (<i>Rumex acetosa</i> L.)	TG/RUMEX(PROJ.7)
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Changes to document TG/RUMEX(proj.6), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/RUMEX(proj.7), submitted to the TC:

Alternative Names	to add German name “Großer Sauerampfer”
4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 20 plants or parts taken from each of 20 plants and any other observations made on all plants in the test, disregarding any off-type plants.”
Char. 13	to have notes 1, 3, 5 instead of notes 3, 5, 7
Char. 20	to delete “(without stem)”
Ad. 13	to read “This characteristic should be observed on the stem at time of full bloom of panicle. The minimum number of internodes is 2 (note 1).”
Ad. 15, 16, 17, 18	to read “The characteristics should be observed on a fully developed leaf on the middle part of the main stem.”

Rose of Sharon (<i>Hibiscus syriacus</i> L.)	TG/HIBIS(PROJ.7)
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(a) Changes to document TG/HIBIS(proj.6), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/HIBIS(proj.7), submitted to the TC

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 6 plants or parts taken from each of 6 plants and any other observations made on all plants in the test, disregarding any off-type plants.”
Char. 14	to add (+)
Char. 15	to delete (+)
Char. 16	to read “Flower: Pedicel: length
Char. 30	to add PQ
TQ 5.6	to add 5.6i RHS Colour Chart
TQ 5.6ii	to add state “other” and note 6

(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

Char. 4	to check whether to replace “branch” with “shoot”
Char. 10	example variety for state 9 to be provided
Char. 18	to add “(b)”.
Ad. 19	to improve image for state 1 (to be presented in side view like the others)

Ad. 29, 30	to add sentence: “If the area of the colors is nearly half and half, the darker color is the main color.” to check with Leadin Expert (darker or lighter color)
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Torenia (<i>Torenia</i> L.)	TG/TOREN(proj.4)
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Changes to document TG/TOREN(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/TOREN(proj.4), submitted to the TC:

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 9 plants or parts taken from each of 9 plants for vegetatively propagated varieties, or 19 plants or parts of plants taken from 19 plants for seed-propagated varieties, and any other observations made on all plants in the test, disregarding any off-type plants.”
Ad. 7	to add notes 1 and 3 to illustration
9.	to adapt literature format

VRIESEA (<i>Vriesia</i> Lindl.)	TG/VRIES(proj.6)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC:

3.3	to add a new paragraph after 3.3.1 as follows: “All observations should be made when [<i>leading expert to state how many</i>] flowers are fully open in the middle third of the terminal branch.”
all MG chars.	Chars. 1, 2, 3, 10, 11, 12, 13, 24, 26, 28, 29, 30, 31, 32, 34, 36, 37, 43 and 44 to check with Leading Expert whether to indicate as VG/MS to reconsider number of plants in 4.1.4
Char. 2	to read “Plant: width”
Char. 22	characteristic to read: “Inflorescence: position in relation to foliage” states to read “same height (1)”, “partly above (2)” and “completely above (3)”
Char. 27	to be moved before char. 22
Char. 29	to read: “Only varieties with inflorescence branching present: Inflorescence: width of flowering part.
8.1 (a)	to read “Observations on the young leaf blade should be made on a leaf blade from the first three inner whorls of the rosette.”
8.1 (b)	to read “Observations on the leaf should be made on the largest fully expanded leaf of the outer whorl of the rosette.”
8.1 (c)	to read “Observations on the flower should be made on a fully expanded flower in the middle third of the terminal branch.”

8.1 (d) and (e)	to be deleted
Ad. 2 and 29	to read “width” instead of “diameter”
Ad. 4	to read “The main color is the color with the largest surface area, excluding variegation. If the area of the colors is nearly half and half, the lighter color is the main color.”
Ad. 7 and Ad. 18	explanation for state (2) to read “2. flushed: red purple, purple or red brown color that changes gradually”
Ad 24, 28, 29	to put arrows instead of lines to indicate the branches of the inflorescence and to replace “diameter” by “width” in Ad. 29
Ad. 39, 40, 41	to read “The main color is the color with the largest total surface area, the secondary color (if present) is the color with the second largest total surface area. If the area of the colors is nearly half and half, the lighter color is the main color.”
New Ad.	to add illustration for the organs considered in char. 42, 43, 46, 47, 48

2. REVISIONS

Almond (<i>Prunus amygdalus</i> Batsch)	TG/56/4 (proj.4)
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(a) Changes to document TG/56/4(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/56/4(proj.4), submitted to the TC:

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 2.”
Ad. 43	to read “The beginning of flowering is when 10% of flowers have fully opened.”
Ad. 44	to read “The time of harvest is when 50% of the fruits on the tree split.”

(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

Cover page	botanical name to read <i>Prunus dulcis</i> (Mill.) D.A.Webb (i.e. parenthesis non italics)
Char. 22	to delete “(+)”
Char. 33	to be indicated MS/VG and to read “Stone: ratio length width in lateral view”
Char 37	to have notes (1), (2), (3), (4) and (5).
Ad. 15	to replace drawings that resembles buds.
Ad. 16	to read : “Ad. 16: Flower bud: color of tip of petals”

Ad. 22	to be deleted.
Ad. 35	to be moved before Ad. 37.

Artichoke, Cardoon (<i>Cynara cardunculus</i> L.)	TG/184/4(proj.3)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC:

Cover page	to add alternative botanical name " <i>Cynara scolymus</i> L."
2.3	to delete the comment from Leading Expert
5.3	to add missing numbering of 5.3 after 5.2, to delete comment from Leading Expert, and to add Char. 17 as grouping characteristic within Artichoke.
Char. 1.1	to correct example varieties of states 5 and 7: "Vert Globe (A)" and "Madrigal (A)"
Char. 1.2	to correct example varieties of states 5 and 7: "Rouge d'Alger (C)" and "Verde de Peralta (C)"
all "petiole" chars. 10	to replace "petiole" by "midrib" and to add an explanation of midrib in Section 8.2
Char. 11	to read "Midrib: length from base to apex" and to include explanation on 2 cm in Ad. 11
Char. 14	to add example varieties as follows: 1: Violet de Camargue (A), Matterhorn (A); 3: Vert de Vaulx en Vélín (C), Opal (A); 5: Plein blanc amélioré (C), Menuet (A); 7: Plein blanc amélioré (C), Menuet (A); 9: Verde de Peralta (C)
Char. 17	to delete VG; and to read " <u>Artichoke varieties only</u> : Main stem: time of beginning of elongation" and to add explanation on main stem.
Char. 19	to move explanation in brackets "(at about 10 cm below central flower head)" to 8.3
Char. 30	to read " <u>Artichoke varieties only</u> : Outer bract: violet color on external side"
Char. 31	to read " <u>Artichoke varieties only</u> : Outer bract: coloration of apex on external side"
Char. 34	to have states: "inwards (1)", "straight (2)" and "outwards (3)".
8.1	to delete (*) after characteristic numbers in the tables
8.2	to add explanation for "main stem"
8.2 (a)	to read "Characteristics on plant, foliage (leaf, leaf blade and petiole) should be observed at fully vegetative development, just after the first flower head appears, but before the main flowering stem starts to elongate. Observations should be made at 10 – 12 leaves-stage on the 3rd – 4th whorl of leaves from the base of the plant" to delete comment "to check allocation of note (a)"
8.2 (b)	to read "Characteristics on the main flowering stem and central flower head should be observed at the harvest stage of the central flower head (largest size of central flower head just before reflexing of lower part of bracts)"

8.2 (d)	to read “Characteristics on the outer bract should be observed on the 5th whorl of bracts from the base of the central flower head (close to the middle third of the flower head).”
Ad. 3	to put “AND” in lower case
Ad. 11, 12 and 13	to all the leaf blade to the diagram of the midrib and to indicate the correct number of the characteristics to observe; 12 instead of 13 and 13, instead of 14.
Ad. 17	to delete “(visual assessment)”
TQ 5	to add char. 18 because it is necessary for the classification of Artichoke and Cardoon (see 8.1) to add example varieties as per table, indicating A and B.
TQ 5	to delete highlighted lines “ <i>Whether it is a CARDOON or an ARTICHOKE variety</i> ”, “ <i>If it is declared as a CARDOON variety</i> ” and “ <i>If it is declared as an ARTICHOKE variety</i> ”

Flax, Linseed (<i>Linum usitatissimum</i> L.)	TG/57/7(proj.6)
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(a) Changes to document TG/57/7(proj.5), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/57/7(proj.6), submitted to the TC:

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 40 plants or parts taken from each of 40 plants and any other observations made on all plants in the test, disregarding any off-type plants.”
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(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

Char. 13	state 2 to read: “white with a yellow dot at base” state to read: “4: white with a blue dot at base”
Char. 14	to read “Plant: height” (natural deleted)
8.1 (b)	to read : “To be observed for long and medium type varieties with brown seed color only. The observation is not useful for short type varieties and for varieties with yellow seed color. Varieties are classified in short type varieties (Note 1-4), medium type varieties (Note 5) and long type varieties (Note 6-9) based on characteristic 20 (Stem: length from cotyledon scar to first branch).”
Ad. 2	to read “Time of flowering is reached, when the first flower is open in 10% of plants.”
Ad. 20 and 21	the reference to characteristic 14 to read “Plant: height (characteristic 14)”

Gooseberry (<i>Ribes uva-crispa</i> L.)	TG/51/7(proj.4)
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(a) Changes to document TG/51/7(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/51/7(proj.4), submitted to the TC:

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants.”
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(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

3.1.2	to delete text in brackets
Char. 5 Ad. 5	to be deleted <i>Leading Expert agreed</i>
Char. 21 State 1	“Inflorescence: number of flowers” to check with Leading Expert whether the term inflorescence is correct for state (1) “one”.
9.	The year of the first publication must be in the following literature: 9. <u>Literature</u> AVD för Frukt och Bärödling: Internordic Index of Ribes and Rubus Cultivars. Alnarp, SE

Japanese Plum (<i>Prunus salicina</i> Lindl.)	TG/84/4(proj.4)
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Changes proposed by the TC-EDC in April 2011, which are to be included in the Test Guidelines submitted to the TC:

Char. 6	to add explanation on the time of observation
Char. 9, 10, 11, 18, 20, 24, 36	to replace MG by VG
Char. 13	to be indicated PQ
Char. 21, 24	to add VG
Char. 22	to delete “(flowers with 5 petals only)” and to add explanation to Ad. 22
Char. 29	to add explanation on how to assess size
Char. 32	to read “Fruit: shape in lateral view”
Char. 36	to delete MG
Car. 40	to add PQ
Char. 45	to check with Leading Expert if 9 notes are appropriate
Chars. 47, 48	to delete VG
Chars. 52	to add explanation on how to assess to amount of fiber
Ad. 17	to add drawing instead of photograph for state 2 (as for other states)

Ad. 32	to include real Japanese plum shapes and to delete text “(parallel)” in 1 and “(rounded)” in 3.
Ad. 40, 41	to read “To be observed without the bloom. The ground color is the first color to appear chronologically during the development of the skin and upon which other colors will develop in time in the form of spots, a macule, or a color flush or blush. It is not always necessarily the largest area of the fruit. The over color is the second color developing over time over the ground color. The coloration does not necessarily cover the smallest area of the fruit and consists of a pattern such as a flush or flecking.”
Ad. 43	to read “The over color is the second color developing over time over the ground color. The coloration does not necessarily cover the smallest area of the fruit and consists of a pattern such as a flush or flecking.”

Olive (<i>Olea europaea</i> L.)	TG/99/4 (proj.4)
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(a) Changes to document TG/99/4(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/99/4(proj.4), submitted to the TC:

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of 5 plants and any other observations made on all plants in the test, disregarding any off-type plants. In the case of observations of parts taken from single plants, the number of parts to be taken from each of the plants should be 5.”
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(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

2.3	to request “5 plants” instead of “5 trees”
Char. 2	QN instead of PQ
Char. 7	to be indicated MS
char. 8	to delete the asterisk
Char. 29	to check with Leading Expert whether “width” relates to char. 31 (i.e. in position B) and to move after characteristic 31
Char. 36	to add an (+), and to be indicated as PQ
Char. 37	to add (e)
Char. 38	to check with Leading Expert whether QL and states “absent/present” are appropriate.
8.1 (a)	to read “Observations should be made on fully developed leaves from the central part of one-year-old shoots in full growth.”
8.1 (b)	to read “Observations should be made on inflorescences from the central part of fruiting branches.”

8.1 (c)	to read “Observations should be made on fully ripened fruits at time of ripening. Time of ripening is when 80% of the fruit on the tree has colored. For the fruit two positions (A and B) are used. Position A is the position in which the organ shows its largest asymmetry. Position B is reached from position A by turning 90° along the longitudinal axis in a way to present the most developed part of the organ to the observer.”
Ad. 3	to read “The canopy density refers to the overall abundance of canopy vegetation. The following measures should be taken into account, length of internodes, number and vigor of the shoots and the size of the leaves.”
Ad. 4	to read “Observations should be made on 5 fruiting branches of each tree.”
Ad. 9	to present pictures horizontally
Ad. 11, 12	to move arrows outside the image.
Ad. 16	to be deleted
Ad. 17	to replace the present illustrations by another ones which show fruit shapes and to present the grid as in TGP/14
Ad 36	to ask Leading Expert for better illustration for state (3).
9.	to include the following literature: -Moutier N. (coord.), Pinatel C., Martre A., Roger J.P., Khadari B., Burgevin J.F., Ollivier D., Artaud J., 2004. Identification et caractérisation des variétés d'olivier cultivées en France - tome 1. Naturalia publications, Turriers. 248 p. -Moutier N. (coord.), Pinatel C., Martre A., Roger J.P., Khadari B., Burgevin J.F., Ollivier D., Artaud J., 2011. Identification et caractérisation des variétés d'olivier cultivées en France - tome 2. Naturalia publications, Turriers (sous presse)

Red and white Currant (<i>Ribes rubrum</i> L.)	TG/52/6(proj.4)
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(a) Changes to document TG/52/6(proj.3), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/52/6(proj.4), submitted to the TC:

4.1.4	to read “Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 5 plants or parts taken from each of plants and any other observations made on all plants in the test, disregarding any off-type plants.”
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(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

Char. 3	QN instead of PQ
Char. 11	to delete "(d)" <i>Leading Expert agreed</i>
Char. 12,13,	VG/MS instead of VG/MQ

14,22, 23	
Char. 12 to 16	to replace (e) by (c) <i>Leading Expert agreed</i>
Char. 17 to 21	to replace (f) by (d) <i>Leading Expert agree</i>
Char. 22 to 27	to replace (g) by (e) <i>Leading Expert agreed</i>
8.1 (b)	to read "Observations should be made when the buds begin to swell." <i>Leading Expert agreed</i>
8.1 (c)	to read "Observations should be made on fully developed leaves at fruit maturity on the upper third of typical one-year-old shoots."
Ad. 16	The diagram should be deleted and replaced by the following sentence: "The thickness should be observed in the middle part of the petiole." <i>Leading Expert agreed</i>
Ad. 26	to standardize the formatting of the legend according to TGP 14
Ad. 28	to read "The time of bud burst is when 10 % of the buds are burst." <i>Leading Expert agreed</i>
Ad. 29	to read "The time of beginning of flowering is when 10 % of the flowers are open." <i>Leading Expert agreed</i>

Tomato (<i>Solanum lycopersicum</i> L.)	TG/44/11(proj.5)
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(a) Changes to document TG/44/11(proj.4), proposed by the Enlarged Editorial Committee at its meeting on January 6, 2011, which are already incorporated in the draft Test Guidelines TG/44/11(proj.5), submitted to the TC:

4.1.4	to read "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 10 plants or parts taken from each of 10 plants and any other observations made on all plants in the test, disregarding any off-type plants."
Char. 20	- to underline "Only varieties with peduncle abscission layer present." - to replace "Peduncle" by "Pedicel"
Char. 25	to move after Char. 23
Char. 34	to delete brackets
Char. 38	to add notes 1 to 6
Char. 54	to delete "spp."
Ad. 11	- to delete illustration - to add "The size of leaflet should be observed in the middle of the leaf."
Ad. 28	to add "The apex is considered to be the part that is farthest from the peduncle end."
Ad. 35	to read "The absolute thickness of the pericarp should be observed, i.e. irrespective of the size of the fruit."

(b) Changes proposed by the TC-EDC in January or April 2011, which are to be included in the Test Guidelines submitted to the TC:

3.3	to check whether to add “The time of flowering (characteristic 43) cannot be observed on non-staked plants ² ”
Char. 28	state 8: to check whether to delete example variety “Barbara”
Char. 34	to check whether to replace “size” with “diameter”
Char. 47	species to be specified
Ad. 2	to read “ <u>Determinate (1)</u> : This type produces a fix number of trusses on each stem. The number...”
Ad. 16	- explanation to be clarified - “number of uniparous and multiparous trusses on the second and third truss of 20 plants”: to check whether to replace with 10 (see 4.1.4)
Ad. 23	explanation to be combined with explanation in Ad. 24
Ad. 28	to check whether the illustrations for states 8 and 9 should be reversed – see states 7 and 11
Ad. 42	expression “naturally good conditions” to be elaborated
Ad. 44	to check whether the same issues, concerning observation on non-staked crops, also applies for Char. 44 as for Char. 43
Ad. 46	to read “Notation: number of root knots contaminated with eggs and root deformation”
Ad. 48	to read “ <u>Notation scale</u> : 4 classes [.....]. <u>Interpretation of scale</u> : Generally, 0 and 1 are equivalent to resistant, 2 and 3 are susceptible but analysis of results should be calibrated with results of R and S controls.
Ad. 50.1-50.6	to read: “Growing method: in climate room, highest possible humidity, with reduced growth a few days before...”
Ad. 51.1-51.3	“Growth stage of plants: [.....]. Controls for ToMV:0, these varieties were not validated as standard varieties for ToMV:1 and ToMV:2:...” Leading Expert to explain the meaning of this sentence and to reword if necessary.
Ad. 56	to correct standard variety “Caraïbo”
9.	to correct literature format as follows: Ano, G.; Brand, R.; Causse, M.; Chauvet; Damidaux, R.; Laterrot, H.; Philouze, J.; Plages, J.N.; <u>Rousselle</u> , 2006 : La Tomate, in Histoire et amélioration de cinquante plantes cultivées au XX ème siècle. Coordinatrice C.Doré, Collection Savoir faire- Editions INRA Quae-2006 840p

9.	<p>Does not follow TGP/7. Some observation and notes are highlighted:</p> <p>9. <u>Literature</u></p> <p>Ano, G.; Brand, R.; Causse, M.; Chauvet; Damidaux, R.; Laterrot, H.; Philouze, J.; Plages, J.N.; Rrouselle, 2006; La Tomate, in Histoire et amélioration de cinquante INCOMPLETE</p> <p>Brand, R., 2000: Evolution des variétés de Tomate au cours du siècle, dans 'La Tomate : pour un produit de qualité', Edition Ctifl, p 97-C85105 (ouvrage collectif), CITY AND COUNTRY</p> <p>Brand, R., 2001: Current DUS testing methods for tomato: a brief summary of the tomato practice, existing needs and expectations for molecular techniques at BMT-TWV-UPOV meeting March 2001 CITY AND COUNTRY</p> <p>Denby, L. G., Wooliams, G. E., 1962: The Development of Verticillium Resistant Strains of Established Tomato Varieties, Canadian Journal Plant Science 42, pp.681-685. 42: 681-685.</p> <p>Kjellberg, L., 1973: Sortundersökningar av tomat enligt UPOV, Swedish University of Agricultural Sciences, Research Information Centre, Alnarp Trädgaard 162, SE.</p> <p>Laterrot, H., 1973: Sélection de variétés de Tomate résistantes aux Meloidogyne, OEPP/EPPO Bulletin 3(1): 89.92. 89-92</p> <p>Laterrot, H., 1972: Sélection de tomates résistantes à Fusarium oxysporum f. sp. lycopersici, Phytopathologia Mediterranea, Volume XI, No. 3, p. 154-158. 11(3): 154-158.</p> <p>Laterrot, H., 1981: La lutte génétique contre la Cladosporiose de la Tomate en France. P.H.M. Revue Horticole, No. 214, February 1981. 214: the pages are missing</p> <p>Laterrot, H., 1973: Résistance de la Tomate au virus de la Mosaïque du Tabac. Difficultés rencontrées pour la Sélection de variétés résistantes. Ann.Amelior.Plantes, 1973, 23(4), pp.287-313. 23(49): 287-313.</p> <p>Laterrot, H., 1990: Situation de la lutte génétique contre les parasites de la Tomate dans les pays méditerranéens. P.H.M. Revue Horticole, No. 303, January 1990. 303: pages are missing</p> <p>Laterrot, H., 1975: Sélection pour la résistance au Mildiou, Phytophthora infestans MONT. DE BARY chez la Tomate, Ann.Amelior.Plantes, 1975, 25(2), pp.129-149. 25(2): 129-149.</p> <p>Laterrot, H., 1982: L'argenture de la Tomate. P.H.M. Revue Horticole, No. 225, March 1982. 225: pages are missing</p> <p>Laterrot, H., 1983: La lutte génétique contre la maladie des racines liégeuses de la Tomate, P.H.M. Revue Horticole, No. 238, June-July 1983. 238: pages are missing</p> <p>Laterrot, H. and BLANCARD, D., 1983: Criblage d'une série de lignées et d'hybrides F1 de Tomate pour la résistance à la Stemphyliose, Phytopath. medit. 1983, 22, pp.188-193. 22: 188-193.</p> <p>Laterrot, H. and BLANCARD, D., 1986: Les Stemphyliia rencontrés sur la Tomate, Phytopath. medit. 1986, 25, pp.140-144. 25: 140-140.</p> <p>Smilde, W.D., Peters, D. (2007) Pathotyping TSWV in pepper and tomato. In: K. Niemirowicz-Szczytt (ed.), Progress in Research on Capsicum and Eggplant, Proceedings of Eucarpia meeting, Warszawa, POL, 231-236 pp. 231-236.</p>
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[End of Annex II and of document]