



TWO/35/23

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**INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS**

GENEVA

**TECHNICAL WORKING PARTY  
FOR  
ORNAMENTAL PLANTS AND FOREST TREES****Thirty-Fifth Session  
Quito, November 18 to 22, 2002**

## REPORT

*adopted by the Technical Working Party for Ornamental Plants and Forest Trees*

Opening of the Session

1. The Technical Working Party for Ornamental Plants and Forest Trees (hereinafter referred to as "the TWO") held its thirty-fifth session in Quito, from November 18 to 22, 2002. The list of participants is reproduced in Annex I to this report.

\*2. The TWO was welcomed by Dr. Nelson Velasco, President, *Instituto Ecuatoriano de la Propiedad Intelectual* (IEPI).

\*3. The session was opened by Miss Elizabeth Scott (United Kingdom), Chairman of the TWO, who welcomed the participants, and in particular new participants, to the TWO.

Adoption of the Agenda

\*4. The TWO adopted the agenda as reproduced in document TWO/35/1 Rev., after having agreed to follow the work plan proposed by the Chairman.

Short Reports on Developments in Plant Variety Protection in Ornamental Plants and Forest Trees

5. The TWO received a presentation on plant variety protection in Ecuador and received oral reports from the participants on developments in plant variety protection in their respective countries and organizations.

6. The expert from the Community Plant Variety Office (CPVO) reported that the CPVO had received around 17,000 applications (over 60% for ornamentals), since the Office opened in 1995. An increase in the number of applications in 2001 was reported, equal to a growth of approximately 4% compared to the year 2000. In the first half of 2002, growth was slightly lower but there had been a good recovery in the second half. By the beginning of November 2002, 1,700 applications had been registered and 2,100 were expected by the end of the year. Applications for 30 new species for ornamental plants were received in 2002. The CPVO granted its 10,000th title in September 2002. Of these titles, around 8,000 are still in force. Seventeen protocols for ornamental species had been approved by the Administrative Council and will be made available on the Website of the CPVO. The protocols were based on the UPOV Test Guidelines. It was explained that the Website provided useful information on all applications under procedure and title, on protocols and on the most important species, closing dates and requirements. The CPVO will work on the creation of a centralized database for variety denominations; this database would be available for consultation by all member States and probably also by other parties, e.g. breeders; it will be possible for member States to discuss via e-mail with the CPVO on denomination questions; the CPVO will create a database with interesting cases and the decisions about these cases, related to variety denominations. The CPVO has decided to postpone the requirement for phytoplasma free samples for DUS testing of poinsettia. A working group, consisting of technical and legal experts from member States, will study possible solutions for the problem. One possibility could be, in the case that all phytoplasma strains or combination of strains have the same effect on the phenotype of the plant, on the basis of the General Introduction TG/1/3 Section 2.5.3(b), to accept the presence of phytoplasma in varieties. A study on the effect of phytoplasma in the phenotype may be performed in cooperation with the breeders. The CPVO representative further reported that the matter of uniformity of variegated plants had been raised in the recent meeting of the CPVO ornamental experts. After some discussion, it was decided that in conjunction with interested experts the Office of UPOV would draft a document on the subject for the next TWO.

7. The expert from Brazil explained that Brazil was bound by the 1978 Act of the UPOV Convention. In the country, breeders conduct their own test for their varieties. The Brazilian plant variety protection office accepts the results of variety examination made by owners of varieties. From January 1998 to November 14, 2002, 481 applications had been received, 342 varieties certified, and 18 species with published test guidelines, including Chrysanthemum, Eucalyptus and Rose. Its priorities for ornamentals in 2003 were to publish test guidelines for African Violet, Anthurium, Guzmania and Hibiscus.

8. The expert from the Republic of Korea reported that they had become the 50th Contracting Party to the UPOV Convention in 2001. The Korean Government enacted the Seed Industry Law on December 6, 1995, and introduced the Plant Variety Protection System on December 31, 1997. Currently, 113 plant genera and species are entitled to plant variety protection, among them food crops (12), vegetable crops (20), ornamental crops (45), fruit crops (6), forage crops (4) and industrial and medical crops (26).

9. The TWO received an oral report from the Office of the Union on the latest developments on plant variety protection within UPOV.

### Molecular Techniques

\*10. The TWO received an oral report from the Office of the Union on the latest developments within UPOV concerning the use of molecular techniques in DUS testing, based on document TC/38/14 Add.-CAJ/45/5 Add.

11. The TWO noted that the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular (BMT) had held its seventh session in Hanover, Germany, from November 21 to 23, 2001, under the Chairmanship of Mr. Michael Camlin (United Kingdom). It was reported that much of the meeting had focussed on the reports from the Crop Subgroups, which had been initiated at the previous BMT session and managed through the relevant Technical Working Parties (TWPs). The future role of the BMT was also discussed. The TWO noted that the BMT had considered it important for the *Ad hoc* Subgroup of Technical and Legal Experts on Biochemical and Molecular Techniques (hereinafter referred to as “the BMT Review Group”) to consider models for the use of biochemical and molecular techniques in DUS testing, and make recommendations on the acceptability of the following models, before further consideration of the technical aspects:

Option 1: Molecular characteristics as a predictor of traditional characteristics (Proposal 1):

(a) use of molecular characteristics which are directly linked to traditional characteristics (gene specific markers);

(b) use of a set of molecular characteristics which can be used reliably to estimate traditional characteristics; e.g. quantitative trait loci.

Option 2: Calibration of threshold levels for molecular characteristics against the minimum distance in traditional characteristics (Proposals 2 to 4).

Option 3: Development of a new system (Proposals 5 and 6).

12. It was reported to the TWO that the following recommendations were made by the BMT Review Group:

Option 1(a) (Proposal 1): For a gene specific marker of a phenotypic characteristic. This proposal was, on the basis of the assumptions in the proposal, acceptable within the terms of the UPOV Convention and would not undermine the effectiveness of protection offered under the UPOV system;

Option 2 (Proposals 2, 3 and 4): Calibration of threshold levels for molecular characteristics against the minimum distance in traditional characteristics for Maize, Oilseed Rape and Rose, respectively, where used for the management of reference collections, were, on the basis of the assumptions in the proposals, acceptable within the terms of the UPOV Convention and would not undermine the effectiveness of protection offered under the UPOV system; and

Option 3 (Proposals 5 (Rose) and 6 (Wheat): It noted there was no consensus on the acceptability of these proposals within the terms of the UPOV Convention and no consensus on whether they would undermine the effectiveness of protection offered under the UPOV system. Concerns were raised that, in those proposals, using that approach, it might be possible to use a limitless number of markers to find differences between varieties. The concern was also raised that differences would be found at the genetic level which were not reflected in morphological characteristics.

The TC had agreed with the conclusions that proposals 1, 2, 3 and 4 could be pursued on the basis of the assumptions, whilst recognizing the need for further work to examine these assumptions and, in the case of option 2, to improve the relationship between morphological and molecular distances. The TC had noted the divergence of views expressed regarding proposals 5 and 6. The CAJ agreed with the conclusions of the BMT Review Group and endorsed the opinion of the TC.

\*13. The TWO received an oral report from the Chairman of the Rose Crop Subgroup. It was reported that the meeting of the Rose Crop Subgroup, planned to take place prior to the meeting of the TWO, had been postponed because only one paper had been proposed. The TWO noted that further papers were likely to be available next year which, in particular, would look at an option 2 approach for Rose. It agreed that a suitable date for the meeting should be arranged when these papers were forthcoming. Breeders participating in the TWO were invited to notify the Office of the Union if they wished to participate in the meeting of the Rose Crop Subgroup.

#### Project to Consider the Publication of Variety Descriptions

14. The Technical Director of UPOV introduced document TC/38/10 Add.

\*15. The TWO proposed to undertake a model study on Petunia. It considered that the project may not produce a useful outcome, but would nevertheless provide information on how much variety descriptions vary. The expert from Germany offered to act as coordinator for the project. Experts from Australia, Canada, Japan, New Zealand, Republic of Korea and the Community Plant Variety Office (CPVO) expressed their wish to participate in any model study on Petunia.

#### UPOV Databases

\*16. The TWO received an oral report from the Office of the Union on the latest developments in the UPOV databases based on document TC/38/6-CAJ/45/6.

#### TGP Documents

(a) TGP Documents to which the Technical Committee has given highest priority for discussion

#### *TGP/7.1 Draft 1 "Guidance for Drafters of Test Guidelines"*

\*17. The Office of the Union introduced the document.

\*18. The TWO made the following recommendations:

ASW 3 It was proposed that additional standard wording and/or guidance notes should be developed to explain the nature of the growing cycle in section 3.3, where this was not obvious. For example, in the case of fruit trees it should explain that the growing cycle should relate to the production of fruit. It may also be necessary to indicate that the first fruit cycle should not be counted.

ASW 3(a) It was proposed that the word “note” should be replaced by “key” to avoid confusion with the use of the term notes in the table of characteristics.

ASW 5(c) The TWO noted that this wording did not cover all the options possible in Test Guidelines where there were both seed-propagated and vegetatively propagated varieties, e.g. where there were self-pollinated varieties. It proposed that this section should be moved to the end of ASW 5 and various options developed to cover all the combinations of (a), (b), (d) and (e).

ASW 7 It was agreed that the words “Variety resulting from” at the beginning of 4.1.1 also related to 4.1.2, 4.1.3 and 4.1.4 and the text should be amended accordingly.

ASW 10 The TWO noted the concerns from the International Seed Federation (ISF) regarding the requirement for color photographs but requested ISF to explain its particular concerns.

GN 6 The TWO expressed its support of the view of the TWA that option 2, rather than option 1, should be presented in GN 6.

GN 10(a)/(b) The TWO expressed its support of the current draft of GN 10. It noted that, in contrast to the situation in agricultural crops, there were a good number of characteristics where harmonization would be possible.

GN 10(c) It was proposed that, in addition to availability, the guidance notes should request that drafters of Test Guidelines take into account the expected lifetime of varieties when selecting example varieties. For example, if a variety had proved to be commercially viable over a very long period, it might be expected to have a longer future life expectancy than some newer varieties, where experience showed that the commercial viability of such newer varieties was, in general, quite short.

GN 10(h)(i) The TWO welcomed the new proposal developed by the TWA and supported this solution. It also proposed that this approach be adopted for all Test Guidelines and not just those where there was more than a single set of example varieties.

GN 10(h)(ii) It was agreed that the guidance notes should clarify that example varieties from different countries should not be provided for the same characteristic unless it was known that they represented the same scale. Where this was not the case, the sets of example varieties from different countries should be provided as separate lists.

GN 14 The TWO proposed that the letter coding developed in ASW 3(a) could be used to indicate if a characteristic was suitable only for certain situations e.g. cooler climates.

GN 15 The TWO welcomed the clarification provided by this section and recommended that it be presented in a table to make it easier to follow.

GN 19 It was proposed that the title of this should be “Recommendations for conducting the examination.”

GN 21(a) It was agreed that guidance was needed for the use of the underlined wording to indicate where a characteristic only applied to certain types of varieties.

GN 22/23 The TWO noted that these two sections would need to be reviewed after discussions on TGP/7.3.1 and TGP/7.3.2.

GN 24 It was noted that there was nothing in this guidance note to prevent the introduction of characteristics in the Technical Questionnaire which were not included in the table of characteristics, although it was understood that this was not being encouraged.

### *TGP/7.2 Draft 1 “TG Template”*

\*19. The Office of the Union introduced the document.

\*20. The TWO made the following recommendations:

#### *3.5 Number of Plants / Parts of Plants to be Examined*

It was recommended that the following sentence be introduced to clarify that other types of observation, in particular visual observation, were also possible:

“Unless otherwise indicated, all observations determined by means other than measuring or counting should be made on all plants in the test.”

#### *6.5 Legend*

The TWO strongly supported the retention of an indication of the type of expression (QL, QN, PQ) in all Test Guidelines and did not consider that this should be optional. It noted that where the expression of an individual characteristic was unknown, the indication for that characteristic could be omitted, but emphasized the importance of providing information to users of Test Guidelines where at all possible.

#### *7. Table of Characteristics/Tableau des caractères/Merkmalstabelle/Tabla de caracteres*

It was recommended that the title of GN 19 should be changed to “Recommendations for conducting the examination.”

#### *10. Technical Questionnaire*

##### *10.6 Similar varieties and differences from these varieties*

The TWO agreed with the recommendation from the Technical Working Party for Agricultural Crops (TWA), that a suitable example should be provided for the individual Test Guidelines. It also recommended that a brief explanation should

be provided for the applicants to ensure they would understand how to complete this section.

*Annex to the Technical Questionnaire*

The TWO noted that it was important for the information requested in that Annex to be provided at the time of the application. Therefore, it proposed that this should be included as a section within the Technical Questionnaire.

9. (New) Information on material to be submitted for examination

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

9.2 To the best of your knowledge, will the material to be submitted for examination be affected by the following factors in a way which may affect the expression of the characteristics of the variety?

- |   |                |
|---|----------------|
| (a) Pests   | Yes [ ] No [ ] |
| (b) Disease   | Yes [ ] No [ ] |
| (c) Micro-organisms (e.g. virus, bacteria, phytoplasma)     | Yes [ ] No [ ] |
| (d) Chemical treatment (e.g. growth retardant or pesticide) | Yes [ ] No [ ] |
| (e) Other factors   | Yes [ ] No [ ] |

Please provide details of any factors where you have indicated “yes”.

9.3 Has the material to be submitted for examination been subjected to:

- |                           |                |
|---------------------------|----------------|
| (a) Tissue culture        | Yes [ ] No [ ] |
| (b) Grafting on rootstock | Yes [ ] No [ ] |
| (c) Other                 | Yes [ ] No [ ] |

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

[ASW 9.4 Has the material to be submitted for examination been tested for the presence of virus or other disease?

- |     |                              |
|-----|------------------------------|
| Yes | [ ] (please provide details) |
| No  | [ ] ]                        |

*TGP/7.3.1 Draft 1 “Standardized UPOV Terms and Explanations: Types of Expression of Characteristics”*

\*21. The Office of the Union introduced the document.

\*22. The TWO made the following recommendations:

2.3.2.2 Further consideration should be given to whether states 1 and 9 should continue to be used for absent and present. Some participants were concerned that this implied that there were states in between, which could be misleading if the absent / present characteristic was not followed by another characteristic with degrees of presence. Other participants noted that the change might cause additional work in the updating of databases.

3.4.2.2.1(first) It was noted that the heading should read “Wording of uneven states.”

3.4.3.2.1(second) It was noted that this should be amended to read 3.4.2.2.2

3.5.1 The TWO recommended that the condensed range should be limited to those characteristics which are visually observed. In the case of characteristics which are measured or counted the normal scale should be used.

3.5.1 Condensed Range 2: The TWO recommended that state 2 should be termed “medium.”

*TGP/7.3.2 Draft 1 “Standardized UPOV Terms and Explanations: Harmonized States of Expression of Characteristics”*

\*23. The Office of the Union introduced the document.

\*24. The TWO welcomed the development of the document and agreed with the proposed approach.

*TGP/7.4 Draft 1 “Procedures for the Introduction and Revision of Test Guidelines”*

\*25. The Office of the Union introduced the document.

\*26. The TWO noted the concerns of the Technical Working Party for Vegetables (TWV) regarding steps 1 to 3. However, it noted that all programs of the Technical Committee (TC) and its Technical Working Parties (TWPs) were already subject to approval by the Council. Furthermore, it noted that section 2.4.2.1 established that work on the drafting of Test Guidelines could begin prior to formal approval by the TC and the Council.

\*27. The TWO made the following recommendations:

2.1(c) The word “observer” should be inserted before “organization.”

2.2.2 The TWO also requested that, for the next session, the Office produce a summary of the number of protected varieties by species, on the basis of information contained in the UPOV-ROM.



2.5.1 / 2.5.2 The TWO proposed that TGP/7.4 should clarify that the TWP would only be able to approve a document for presentation to the TC where it had received a complete draft prior to its session. A draft would not be considered to be complete if it did not contain, for example, explanations of characteristics contained in the Table of Characteristics. However, it was recommended that the TWP could approve draft Test Guidelines for submission to the TC if these did not contain a full set of example varieties. Furthermore, it could accept revisions to the draft provided for consideration at the session if the changes were adequately specified and approved in the report on the conclusions of the meeting.

5.3 The TWO supported Option 3 for the document references for draft Test Guidelines. It also proposed that the UPOV Website should be amended to make it easier to find the relevant drafts of Test Guidelines, rather than having to search through all the individual TWP session documents. It welcomed the proposal from the Office of the Union to present the drafts of the Test Guidelines in the same way as that being used for the TGP documents.

*TGP/4.1 Draft 2 “General Guidance for the Management of Variety Collections”*

\*28. The expert from New Zealand introduced the document.

\*29. The TWO discussed the scope of the document and recommended that it should be restricted to the practical management of variety collections and should not seek to establish guidelines for deciding which varieties should be included, since this should be addressed in TGP/9. It considered that the elaboration of varieties of common knowledge should be covered by TGP/3. The TWO considered that, within the scope of the management of variety collections, the document should address the management of collections of both living plant material and the management of information, such as that contained in databases or catalogues. In particular, the TWO proposed that it might draft a section on the management of such information. It also considered that TGP/4 should address matters such as the use of material submitted by applicants, as currently under discussion within the Administrative and Legal Committee (CAJ). It proposed that Mr. Barnaby (NZ) should continue to participate in the drafting of TGP/4.

*TGP/9.1*

\*30. The TWO endorsed the approach proposed by the TWA, namely to provide examples of different approaches to examining distinctness used by UPOV members. It recommended that that should have an introduction at the beginning to explain the nature of the document and that introduction should clarify that there was only one system for examination of distinctness, but that different approaches could be developed within that single system. It also noted that the current draft of TGP/6 contained overlaps with the examination of distinctness.

*TGP/10.2 Draft 1 “Assessing Uniformity According to the Features of Propagation”*

\*31. It was agreed that that document should be reviewed to ensure that it was clear that uniformity was to be assessed on the expression of the characteristics of the genotype and not the genotype itself. It also proposed that a link should be made to TGP/13 for guidance on examining uniformity on new types and species.

\*32. The TWO proposed that a section for assessing relative uniformity by non-statistical methods should be developed.

*TGP/8.6 Draft 1 “Examining DUS in Bulk Samples”*

\*33. The TWO recommended that that document should be revised to be more clearly understood by non-statisticians.

*Other TGP documents*

\*34. The TWO did not have time to consider the other TGP documents at the meeting and requested that written comments be sent to the Office of the Union by December 6, 2002.

\*35. It was agreed that TGP/13 should be given a high priority by the TWO next year because of the importance of new types and species in ornamental plants. The Office of the Union noted that TGP/14.2, covering botanical shapes, was particularly interesting for the TWO and suggested that participants may wish to read that document before the next session.

Questionnaire “Testing of Seed-Propagated Ornamental Varieties”

\*36. The Office of the Union introduced document TWO/35/16, Results of the Questionnaire on Testing of Seed-Propagated Ornamental Varieties for the UPOV Technical Working Party for Ornamental Plants and Forest Trees (TWO). It was agreed that this survey should be repeated over the next 3 years.

Discussions on Draft Test Guidelines

(a) Subject of Test Guidelines being drafted

\*37. The TWO reviewed those draft Test Guidelines which might need to cover more than one species and those where more than one set of Test Guidelines might be needed for a single species.

(i) Apple: It was agreed that separate Test Guidelines should be developed for ornamental varieties and fruit varieties, since varieties of these two types could be clearly separated. The individual Test Guidelines will explain the basis for the separation.

(ii) Rose: It was agreed that separate Test Guidelines should not be introduced for different types of variety e.g. cut-flower types. It noted, in particular, that this approach was supported by those breeders and breeders’ organizations present at the meeting.

(iii) Hypericum: It was agreed that the Test Guidelines should cover only berry-producing species, since these could be clearly identified and these were the species where there was greatest need at present. The Test Guidelines will be the basis for identifying these species.

(iv) Petunia / Calibrachoa: It was agreed that these two genera should be covered in separate Test Guidelines.

(b) Subgroup discussions on draft Test GuidelinesTest Guidelines for Bracteantha

38. The Working Party reviewed document TWO/35/12 and comments from the subgroup, with Mrs. Helen Costa (AU) as a leading expert, and made the following main changes to it:

2. Material Required: paragraph 2.3: “25” to be replaced by “15.”
3. Method of Examination: paragraph 3.3.1: second sentence to add “when one third of the disc florets have opened in the flower head.” Paragraph 3.3.2: delete (a), (b), (e) and (g). Note (c) to be elaborated further and illustration provided. Note (f) to read: “Bract length and width, bract color and pappus color should be recorded after removing bracts from the flower head. For observations on bract length and width, remove a bract from the middle row of the involucre.”
6. Introduction to the Table of Characteristics: paragraph 6.5: to read “(a) - (c) ...”
7. Table of Characteristics:

Further example varieties to be provided.

- |           |   |
|-----------|---|
| Char. 1   | to be indicated as QL. (+) to be added.   |
| Char. 2   | to be indicated as PQ. To have the states: upright (1); semi-upright (2); spreading (3).                      |
| Char. 3   | to be indicated as QN. To read: “Plant: height including flowers.”  |
| New Char. | (after 3) “Plant: height of foliage.” To have the same states as for characteristic 3. To be indicated as QN. |
| Char. 4   | to be indicated as QN.  |
| Char. 5   | to be indicated as QN. To have the states: absent or weak (1); medium (2); strong (3).                        |
| Char. 6   | to be indicated as QN.  |
| Char. 7   | to be indicated as QN. Example variety “Spectrum” to be deleted.  |
| Char. 8   | to be indicated as QN.  |
| Char. 9   | to be indicated as QN. To have the states: lower third (1); middle third (2); upper third (3).                |
| Char. 10  | to be indicated as PQ.  |
| Char. 11  | to be indicated as QL. (+) to be deleted.   |
| Char. 12  | to be indicated as PQ. (+) to be deleted.   |
| Char. 13  | to be indicated as QN. (+) to be deleted. To have the states: absent or weak (1); medium (2); strong (3).     |
| Char. 14  | to be indicated as QN. (+) to be deleted. To have the states: absent or weak (1); medium (2); strong (3).     |
| Char. 15  | to be indicated as QN. (+) to be deleted. Example variety “Spectrum” to be deleted.                           |
| Char. 16  | to be indicated as QN.  |
| Char. 17  | to be indicated as QN. To have the states: absent or weak (1); medium (2); strong (3).                        |
| Char. 18  | to be indicated as QL. To read “Flower bud: profile of apex.”   |
| Char. 19  | to be indicated as PQ.  |

- Char. 20 to be indicated as QN. To have the states: slightly below to slightly above (1); moderately above (2); far above (3).
- Char. 21 to be indicated as QN.
- Char. 22 to be indicated as QN.
- Char. 23 to be indicated as QN.
- Char. 24 to be indicated as QN.
- Char. 25 to be indicated as QL. (+) to be added.
- Char. 26 to be indicated as PQ.
- Char. 27 to be indicated as QN.
- Char. 28 to be indicated as QN.
- Char. 29 to be indicated as QN. To have the states: “as long as broad (1); twice as long as broad (2); three times as long as broad (3); four times as long as broad (4).”
- Chars. 30 to 38 to be indicated as PQ.
- Chars. 39 to 41 to be deleted.
- Char. 42 to be indicated as PQ. To have the states: white (1); yellow (2); yellow green (3).

8. Explanations on the Table of Characteristics:

All necessary explanations to be provided.

- Ad. 1 illustration to be provided.
- Ad. 3 to read “From soil level to the top of the plant when one-third of florets have opened on first flower head.” Illustrations to be provided showing the plant height with the highest point being (a) the foliage and (b) the flower.
- Ad. 25 to explain that this refers to the number of visible colors when observing the involucre.

10. Technical Questionnaire

- 1 second box needed to indicate species.
- 5.5 to 5.7 to be deleted.
- 6 example to be: Involucre: main color e.g. pink / e.g. red.
- 7.3 ASW 10 to be added.

39. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

Test Guidelines for Brachyscome

40. The Working Party reviewed document TWO/35/10 and comments from the subgroup, with Ms. Costa (AU) as a leading expert, and made the following main changes to it:

2. Material Required: paragraph 2.3, second sentence to read: "For vegetatively propagated varieties: 15 rooted cuttings".

7. Table of Characteristics:

- Char. 1 to be indicated as PQ. Notes to be added to correspond to the states as follows: "basal rosette" (1); "tufted (basal clusters)" (2); "bushy" (3).
- Char. 1(a) to be indicated as QL. Notes to be added to correspond to the states as follows: "absent" (1); "present" (9).
- Char. 2 to read: "Spreading varieties only: Plant: mode of spreading". To be indicated as QL. To have states and notes as follows: "stolons only" (1); "stolons and rhizomes" (2); "rhizomes only" (3).
- Char. 3 to be indicated as QN. To have states and notes as follows: "very short" (1); "short" (3); "medium" (5); "tall" (7); "very tall" (9).
- Char. 4 to be indicated as QN. To have states and notes as follows: "very narrow" (1); "narrow" (3); "medium" (5); "broad" (7); "very broad" (9).
- Char. 5 to be indicated as QN. Notes to be added to correspond to the states as follows: "sparse" (3); "medium" (5); "dense" (7).
- Char. 5(a) to be indicated as QL. Notes to be added to correspond to the states as follows: "absent" (1); "present" (9).
- Char. 6 to read "Varieties with stem present only: Plant: number of stems". To be indicated as QN. Notes to be added to correspond the states as follows: "few" (3); "medium" (5); "many" (7).
- Char. 7 to be indicated as QN. To have states and notes as follows: "absent or weak" (1); "medium" (2); "strong" (3).
- Char. 8 to be indicated as QN. Notes to be added to correspond to the states as follows: "erect" (1); "semi-erect" (2); "horizontal" (3).
- Char. 9 to be indicated as QN. Notes to be added to correspond to the states as follows: "absent or very weak" (1); "weak" (3); "medium" (5); "strong" (7).
- Char. 13 to be indicated as QN. To have states and notes as follows: "absent or weak" (1); "medium" (2); "strong" (3).
- Char. 14 to be deleted.
- Char. 15 to read: "Varieties with stem present only: Plant: presence of basal leaves". Notes to be added to correspond to the states as follows: "absent" (1); "present" (9). To be indicated as QL.
- Char. 16 to read: "Varieties with basal leaves present only: Basal leaves: persistence". Notes to be added to correspond to the states as follows: "absent" (1); "present" (9). To be indicated as QL.
- Char. 17 to read: "Varieties with basal leaves present only: Basal leaves: attitude". Notes to be added to correspond to the states as follows: "erect" (1); "semi-erect" (2); "horizontal" (3). To be indicated as QN.
- Char. 18 to read: "Varieties with basal leaves present only: Basal leaves: length". To have states and notes as follows: "very short" (1); "short" (3); "medium (5); "long" (7); "very long" (9). To be indicated as QN.
- Char. 19 to read: "Varieties with basal leaves present only: Basal leaves: width". To have states and notes as follows: "narrow" (3); "medium (5); "broad" (7). To be indicated as QN.
- Char. 20 to be deleted.

- Char. 21 to be deleted.
- Char. 22 to be read: “Varieties with basal leaves present only: Basal leaf: overall shape”. To be indicated as PQ. (+) to be added.
- Char. 23 to be deleted.
- Char. 24 to be deleted.
- Char. 25 to read: “Varieties with basal leaves present only: Basal leaf: margin”. Notes to be added to correspond to the states as follows: “entire” (1); “lobed” (2). To be indicated as QL.
- Char. 26 to read: “Varieties with lobed basal leaf margin only: Basal leaf: position of lobes”. Notes to be added to correspond the states as follows: “at apex only” (1); “upper half” (2); “full length” (3). To be indicated as QN.
- Char. 27 to read: “Varieties with lobed basal leaf margin only: Basal leaf: depth of lobing”. To have states and notes as follows: “shallow” (3); “medium (5); “deep” (7). To be indicated as QN.
- Char. 28 to read: “Varieties with lobed basal leaf margin only: Basal leaf: number of lobes”. Notes to be added to correspond the states as follows: “very few” (1); “few” (3); “medium” (5); “many” (7); “very many” (9). To be indicated as QN.
- Char. 29 to read: “Varieties with lobed basal leaf margin only: Basal leaf lobe: width”. Notes to be added to correspond the states as follows: “narrow” (3); “medium” (5); “broad” (7). To be indicated as QN.
- Char. 30 to read: “Varieties with lobed basal leaf margin only: Basal leaf lobe: apex of ultimate lobe”. (+) to be added. To be indicated as PQ.
- Char. 31 to read: “Varieties with lobed basal leaf margin only: Basal leaf lobe: secondary lobing”. Notes to be added to correspond the states as follows: “absent” (1); “present” (9). To be indicated as QL.
- Char. 10 to be moved after Char. 19. To read: “Varieties with lobed basal leaf margin only: Basal leaf: color of upper side”. Notes to be added to correspond the states as follows: “light green” (1); “medium green” (2); “dark green” (3); “bluish green” (4); “purple” (5). To be indicated as PQ.
- Char. 11 to be moved after Char. 10. To read: “Varieties with lobed basal leaf margin only: Basal leaf: color of lower side”. Notes to be added to correspond the states as follows: “light green” (1); “medium green” (2); “dark green” (3); “bluish green” (4); “purple” (5). To be indicated as PQ.
- Char. 12 to be moved after Char. 11. To read: “Varieties with lobed basal leaf margin only: Basal leaf: thickness”. To be indicated as QN.

41. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

#### Test Guidelines for *Calibrachoa*

42. The Working Party reviewed document TWO/35/13 and comments from the subgroup, with Ms. Menne (DE) as a leading expert, and made the following main changes to it:

Cover page: Latin name author to be checked. Associated documents to contain reference to the Test Guidelines for *Petunia*.

1. Subject of these Guidelines: to add the sentence “These Test Guidelines do not apply to varieties of the genus Petunia, which is covered by TG/.../..”
2. Material Required: paragraph 2.3 to read “25 rooted cuttings.”
3. Method of Examination: paragraph 3.5 to read “Unless otherwise indicated, all observations determined by measuring or counting should be made on 10 plants or parts taken from each of 10 plants.”
5. Grouping of Varieties and Organization of the Growing Trial: paragraph 5.3(c) to read “Corolla lobe: number of colors of upper side (excluding veins) (characteristic 18).” Paragraph 5.3(d) to read “Corolla lobe: main color of upper side (characteristic 19).” Paragraph 5.3(e) to read “Corolla lobe: conspicuousness of veins on inner side (characteristic 26).”
7. Table of Characteristics:

It was agreed that a separate table of variety synonyms should be provided in section 8.

Example varieties to be provided.

- |                          |   |
|--------------------------|---|
| Char. 1                  | to be indicated as QL.  |
| Char. 2                  | to be indicated as QN.  |
| Char. 3                  | (+) to be added. To be indicated as QN.   |
| Char. 4                  | to be deleted.  |
| Char. 5                  | to be indicated as QN. Additional state: absent or very short (1) to be added. To be moved after characteristic 10.   |
| Char. 6                  | to be indicated as QN.  |
| Char. 7                  | to be indicated as QN.  |
| Char. 8                  | (+) to be added. To be indicated as PQ.   |
| Char. 9                  | to be indicated as QL.  |
| Char. 10                 | to be indicated as QN. To read “ <u>Non-variegated varieties only</u> : ...”  |
| Char. 11                 | to be indicated as QN.  |
| Char. 12                 | (+) to be added. To be indicated as QN.   |
| Char. 13                 | (+) to be added. To be indicated as QN.   |
| Char. 14                 | to be indicated as QL.  |
| Char. 15                 | to be indicated as QL.  |
| Char. 16                 | to be indicated as QN.  |
| Char. 17                 | (+) to be added. To be indicated as QN. To read “Flower: degree of lobing” with the states: weak (3); medium (5); strong (7).                                     |
| Char. 18                 | to be indicated as QL. To read “Corolla lobe: number of colors of upper side (excluding veins).”  |
| Char. 19                 | to be indicated as PQ. To read “Corolla lobe: main color of upper side.”  |
| Char. 20                 | to be indicated as PQ. To read “ <u>For bi- and multi-colored varieties only</u> : Corolla lobe: ...”   |
| New Char. (b) (after 20) | To read “ <u>For multi-colored varieties only</u> : Corolla lobe: tertiary color of upper side” with the same states as characteristic 19. To be indicated as PQ. |
| Char. 21                 | to be indicated as QN. To read: “Corolla lobe: conspicuousness.”  |

- Char. 22 to be indicated as PQ. To read “Corolla lobe: ...”  
 Char. 23 to be indicated as PQ. State 4 to read “emarginate.”  
 Chars. 24 to 26 replace “Flower” with “Corolla.”  
 Char. 24 to be indicated as QN.  
 Char. 25 to be indicated as PQ.  
 Char. 26 to be indicated as QN.

8. Explanations on the Table of Characteristics: Ad. 23: state 4 to read “emarginate.”
9. Literature: additional reference to Wijsman to be added.
10. Technical Questionnaire: paragraph 4.1 to be updated according to outcome of TGP/7.1. Paragraph 4.2 to read: 4.2.1 Vegetatively propagated varieties:
- (a) cuttings  
 (b) *in vitro* propagation.

4.2.2 seed; 4.2.3 other (provide details).

Paragraph 5.4 to read “Corolla lobe: number of colors of upper side (excluding veins).” Paragraph 5.5(i) to read “Corolla lobe: main color of upper side.” Paragraph 5.5(ii) to read “Corolla lobe: main color of upper side.” Paragraph 6, example: Flower color: e.g. white / e.g. pink. Paragraph 7.3 ASW 10 to be added.

43. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

#### Test Guidelines for Catharanthus

44. The Working Party reviewed document TWO/35/15 and comments from the subgroup, with Mr. Mizuno (JP) as a leading expert, and made the following main changes to it:

1. Subject of these Guidelines: “Apocyraceae” to read: “Apocynaceae”.
2. Material Required: paragraph 2.3, second sentence to read: “ - seed propagated varieties: 600 seeds; ... ”, paragraph 2.4, first sentence to read: “In the case of seed, the seed should meet the minimum, at least 60%, germination capacity requirements for germination, ... ”.
3. Method of Examination: paragraph 3.3.1, last sentence to read: “In particular, all observations should be made on flowering plants at the time of full flowering.” Paragraph 3.3.2, the sub-paragraph starting with “Planting...” to read:

#### “Planting of seedlings and of rooted cuttings

Time: May/June  
 Soil: well-drained, fertile, rich in organic material.”



Paragraph 3.3.3, to add new (a) to read: “All observations on the stem should be made on the middle part of main stem”. Former paragraph 3.3.3(a) becomes 3.3.3(b) and former paragraph 3.3.3(b) becomes 3.3.3(c). Paragraph 3.4.2 to read: “Each test should be designed to result in a total of at least of 40 plants for seed propagated varieties and 20 plants for vegetatively propagated varieties, which should be divided into 2 replicates.”

4. Assessment of Distinctness, Uniformity and Stability, paragraph 4.2.2 to read: “The acceptable number of off-types tolerated in a sample size of 40 plants ...”. To add new paragraph 4.2.3 after paragraph 4.2.2 and to read as follows: “For the assessment of uniformity of seed-propagated varieties which are cross-pollinated or are hybrids, the recommendations in the General Introduction for cross-pollinated or hybrid varieties should be followed, as appropriate.”
5. Grouping of Varieties and Organization of the Growing Trial, paragraph 5.3(a) to read: “Flower: arrangement of petals (characteristic 14)”. Paragraph 5.3(b) to change the order: “Gr. 3 purple” becomes “Gr. 4 red” and “Gr. 4 red” becomes “Gr. 3 purple”.
7. Table of Characteristics:

Char. 1 to read: “Plant: size view”. (\*) to be deleted.

New char. should be added after Char. 2, to read: “Plant width”. (\*) to be inserted. To have states and notes as follows: “narrow” (1); “medium” (2); “broad” (3). To be indicated as QN.

Char. 3 to read: “Stem: anthocyanin coloration”. To add “(a)”.

Char. 4 to be deleted.

Char. 5 to read: “Stem: number of primary branches”. (\*) to be deleted.

Char. 6 to read: “Stem: number of secondary branches”.

Char. 7 to be deleted.

Char. 8 “(a)” to be replaced with “(b)”.

Char. 9 “(a)” to be replaced with “(b)”.

Char. 10 to move before Char. 8. “(a)” to be replaced with “(b)”. The state “ovate” (4) to be deleted.

New char. should be added before Char. 11, to read: “Leaf variegation”. To have states and notes as follows: “absent” (1); “present” (9). (\*) to be inserted.

Char. 11 to read: “Non variegated varieties only: Leaf: green color of upper side”. “(a)” to be replaced with “(b)”.

Char. 13 “(b)” to be replaced with “(c)”.

Char. 14 to read: “Flower: arrangement of petals”. To have states and notes as follows: “free” (1); “touching” (2); “overlapping” (3). “(b)” to be replaced with “(c)”.

Char. 15 to be deleted.

Char. 16 “(b)” to be replaced with “(c)”.

Char. 17 to be deleted.

Char. 18 to read: “Flower: eye zone”. “(b)” to be replaced with “(c)”.

Char. 19 to be deleted.

New char. to be added after char. 18 to read: “Varieties with eye zone only: Flower: diameter of eye zone”. To have states and notes as follows: “small” (1); “medium” (2); “large” (3). (\*) to be inserted.

- New char. to be added in place of char. 19 to read: “Varieties with eye zone only: Flower: number of color of eye zone”. To have states and notes as follows: “one” (1); “two” (2); “more than two” (3).
- New char. to be added after new char.19 to read: “Varieties with one eye zone only: Flower: border of eye zone”. To have states and notes as follows: “sharp” (1); “defuse” (2).
- Char. 20 to be deleted.
- New char. to be added instead of char. 20. To read: “Varieties with more than one eye zone only: Flower: color of inner eye zone”. To have states “RHS Color Chart”, “(c)” to be inserted.
- New char. to be added after new char. 20. To read: “Varieties with more than one eye zone only: Flower: color of outer eye zone”. To have states “RHS Color Chart”. “(c)” to be added. To be indicated as QL.
- New char. to be added before char.21. To read: “Flower: color of receptacle”. To have states and notes as follows: “white” (1); “yellow” (2); “pink” (3); “red” (4).
- Char. 21 “(b)” to be replaced with “(c)”. (\*) to be deleted.
- New char. to be added after char.21. To read: “Petal: lobing”. To have states and notes as follows: “absent” (1); “present” (2). “(c)” to be added.

8. Explanations on the Table of Characteristics:

- Ad.1 to read: “Plant: size view”.
- Ad.4 to be deleted.
- Ad 14 to read: “Flower: arrangement of the petals”. Drawings to be modified.
- Ad.19 to be deleted.

10. Technical Questionnaire:

Paragraph 4.2 to be modified as follows:

4.2 Method of Propagating the Variety

4.2.1 Vegetative propagation

- |                                 |     |
|---------------------------------|-----|
| (a) cuttings                    | [ ] |
| (b) <i>in vitro</i> propagation | [ ] |
| (c) other (state method)        | [ ] |

4.2.2 Seed [ ]

4.2.3 Other [ ]  
(please provide details)

Paragraph 5.1 to read: “Plant: size view”.

Paragraph 5.4 to be deleted.

Paragraph 5.6 to be deleted.

Paragraph 5.8 to be deleted.

Paragraph 5.9 to be deleted.

Paragraph 5.10 to be modified.

45. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

### Test Guidelines for Clematis

46. The Working Party reviewed document TWO/35/5 and comments from the subgroup, with Ms. Marshall (CA) as a leading expert, and made the following main changes to it:

1. Subject of these Guidelines: paragraph 1.1 to read: “These Test Guidelines apply to all varieties of *Clematis* L.”.
2. Material Required: paragraph 2.3 to read “The minimum quantity of plant material, to be supplied by the applicant, should be: 10 one-year old plants, not cut back, which have never previously flowered.”
3. Method of Examination: paragraph 3.3.2(b) to read: “For varieties with compound leaves, the leaf blade characteristics should be based on the base leaflet of the first order.” Illustration to be provided.
5. Grouping of Varieties and Organization of the Growing Trial:
  - 5.3(a) to be deleted.
  - 5.3(b) to be deleted.
  - 5.3(g) to be deleted.
  - 5.3(j) to be deleted.
7. Table of Characteristics

Char. 2	to be deleted.
Char. 4	notes of the states should be 1, 2, 3.
Char. 5	to read: “Non-climbing varieties only: Plant: vigor” the states to be changed to: weak (1); medium (2); strong (3).
Char. 6	to be deleted.
Char. 7	to be deleted.
Char. 11	states to be changed to: usually three (1); usually five (2); usually seven (3).
Char. 12, 13	review to possibly have one char.: “Leaflet size”. Notes of states should be 1, 2, 3.
Char. 14	to be deleted.
Char. 15	(+) to be deleted.
Char. 16	(+) to be deleted.
Char. 17	(+) to be deleted.
Char. 18	(+) to be deleted.
Char. 19	the notes of the states should be 1, 2.
Char. 20	state two to read “three or four”.
Char. 22	state “brown green” to be checked.
Char. 25	to be checked. (*) to be checked.
Char. 26	to be checked. (*) to be checked.
Char. 27	to read “ Inflorescence: arrangement of flowers”.
Char. 28	to read “ Inflorescence: Peduncle: length”.

- Char. 29 to read “Flower: orientation”. States to be changed to: facing upwards (1); facing outwards (2); handing downwards (3).
- Char. 30 explanation to be added.
- Char. 33 (+) to be added. States to be changed to: concave (1); flat (2); convex (3).
- Char. 39 to be deleted.
- Char. 41 states of characteristic to be: concave(1); flat (2); convex (3).
- Char. 42 check if possible to delete.
- Char. 43 to be “Sepal: reflexing of distal part”. (+) to be added.
- Char. 45 (+) to be added.
- Char. 53 check if possible to change the state of char.
- Char. 60 states “yellow, brown, lilac” to be added.
- Char. 61 state “lilac” to be added.
- Char. 62 to be deleted.

10. Technical Questionnaire:

Char. 5.2 to be deleted.

7.3 ASW 10 to be added.

47. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

Test Guidelines for Dahlia (TWO/35/21)

48. The Working Party reviewed document TWO/35/21 and comments from the subgroup, with Miss Scott (UK) as a leading expert, and made the following main changes to it:

7. Table of Characteristics

- Char. 36 to be checked during growing season of 2003.
- Char. 38 (+) to be added.
- Char. 41 state “random” (3) to be changed to “irregular” (3).
- Char. 42 to read “Bi-colored and variegated varieties only: Ray floret: principle color of upper side”.
- Char. 43 to read “Bi-colored and variegated varieties only: Ray floret: secondary color of upper side”.
- Char. 44 to read “Variegated varieties only: Ray floret: tertiary color of upper side”.
- Char. 45 to read “Bi-colored and variegated varieties only: Ray floret: principle color of lower side”.
- Char. 46 to read “Bi-colored and variegated varieties only: Ray floret: secondary color of lower side”.

9. Literature: Leading experts from interested countries should be requested to add relevant references

10. Technical Questionnaire:

Paragraph 4.2 to be updated as follows:

“Method of Propagating the Variety

- |                                 |      |
|---------------------------------|------|
| (a) cuttings                    | [ ]  |
| (b) tubers                      | [ ]  |
| (c) <i>in vitro</i> propagation | [ ]  |
| (d) other (state method)        | [ ]” |

Paragraph 5 characteristics of the variety to be added

Paragraph 6 example to be used as follows:

“Flower: diameter	e.g. note 3	note 7
	e.g. small	large
	e.g. 5 cm	8 cm”

New paragraph after 7.2.1 to read:

“Use of the variety:

- |                              |     |
|------------------------------|-----|
| (a) pot-variety              | [ ] |
| (b) garden variety           | [ ] |
| (c) cut-flower variety       | [ ] |
| (d) other (please indicate)” | [ ] |

Paragraph 7.3 ASW 10 to be added.

49. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

Test Guidelines for *Dendrobium*

50. The Working Party reviewed document TWO/35/4 and comments from the subgroup, with Mr. Mizuno (JP) as a leading expert, and made the following main changes to it:

2. Material Required: paragraph 2.3: the number of plants to be changed to 10.
6. Introduction to the Table of Characteristics: paragraph 6.4: example varieties “in quotation marks” to be replaced by “between ‘...’”.
7. Table of Characteristics: to change example variety Formidable to ‘Formidable’. Further example varieties to be provided.
 

Char. 1	“Plant: size” to be put in bold font.
Char. 2	replace PQ with QN.

- Char. 11 to be deleted.
- Char. 12 to read "Leaf: main green color" with states: light (3); medium (5); dark (7). Replace PQ with QN.
- Char. 15 replace "+" with "and" in states 4, 5 and 6.
- Char. 18 to read "Inflorescence: position of adherence to stem" with states: along whole length (1); top part only (2).
- Char. 19 state 2 to read "apex only".
- Char. 23 replace PQ with QN. To be presented as notes 1, 3, 5, 7.
- Char. 31 replace PQ with QN.
- Char. 35 replace PQ with QN. To be presented as notes 1, 3, 5, 7, 9.
- Char. 36 replace PQ with QN.
- Char. 37 replace PQ with QN.
- Char. 38 replace PQ with QN.
- Char. 42 replace PQ with QN. To be presented as notes 1, 3, 5, 7, 9.
- Char. 43 replace PQ with QN.
- Char. 44 replace PQ with QN.
- Char. 46 replace "+" with "and" in states 7, 8 and 9.
- Char. 47 replace QL with PQ.
- Chars. 49-53 replace QL with PQ.
- Char. 54 replace PQ with QN.
- Char. 58 replace PQ with QN. To be presented as notes 1, 3, 5, 7, 9.
- Char. 59 replace PQ with QN.
- Char. 60 replace PQ with QN.
- Char. 63 replace QL with PQ.
- Chars. 65-69 replace QL with PQ.
- Char. 75 note "5" to read note "4."
- Char. 77 replace QL with PQ.
- Char. 79 replace QL with PQ.
- Char. 81 replace "+" with "and" in states 7, 8 and 9.
- Chars. 83-91 replace QL with PQ.
- Char. 92 to have the states: absent or weak (1); intermediate (2); strong (3). Replace PQ with QN.
- Char. 93 to have the states: absent or weak (1); intermediate (2); strong (3). Replace PQ with QN.
- Char. 94 replace PQ with QN. Note "1" to be non-bold font.
- Char. 96 to have the states: absent or weak (1); intermediate (2); strong (3). Replace PQ with QN.
- Char. 98 replace QL with PQ.

#### 8. Explanations on the Table of Characteristics:

- Ad. 14 "main color" to be deleted from the note. "Secondary color" to be replaced by "variegation".
- Ad. 24 illustration of peduncle length to be checked.
- Ad. 35/42/58 to be presented as notes 1, 3, 5, 7, 9.
- Ad. 76 spelling of state 3 to be amended to read "transverse elliptic".

#### 10. Technical Questionnaire:

- 4.1.1 to be updated according to the outcome of TGP/7.1.

- 4.1.1(a) part in parentheses to read “please state parent varieties and GREX.”
- 5.2 state 2 to read “apex only”.
- 5.7 replace “+” with “and” in states 7, 8 and 9.
- 6 example: Lip: color pattern e.g. shaded / e.g. shaded and striped.
- 7.3 ASW 10 to be added.

51. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

#### Test Guidelines for Hypericum (TWO/35/8)

52. The Working Party reviewed document TWO/35/8 and comments from the subgroup, with Mr. Barendrecht (NL) as a leading expert, and made the following main changes to it:

Title page: Subject of Test Guidelines to be as specified in section 1. Common names to be deleted.

1. Subject of these Guidelines: paragraph 1: subject of the Test Guidelines to include hybrids of the species concerned.
2. Material Required: paragraph 2.3 to read: “ ... 10 young plants of commercial standard.”
3. Method of Examination, paragraph 3.3.1: delete second sentence, new paragraph (after 3.3.1) to read: “(a) characteristics which should be observed at full flowering. (b) characteristics which should be observed when the berries are at their full color (harvest time).”
5. Grouping of Varieties and Organization of the Growing Trial: paragraph 5.3: to add after (a) new grouping characteristic (b) “Berry: size (characteristic 30)”.
6. Introduction to the Table of Characteristics: paragraph 6.5: to add key to relevant characteristics explaining that the “berry” is, in fact, a capsule.
7. Table of Characteristics:
  - Chars. 1 to 29 to receive note “(a)”.
  - Chars. 30 to 36 to receive note “(b)”.
  - Char. 1 to be indicated as QN. State 1 to read “upright”.
  - Char. 2 to be indicated as QN. To have the states: “short” (3); “medium” (5); “tall” (7).
  - Char. 3 to be indicated as QN.
  - Char. 4 to be indicated as QL. To read: “Plant: reddish or brownish coloration of branches of current year’s growth”. To have the notes (1) and (9).
  - Char. 5 to be indicated as QN. To read: “For varieties with reddish or brownish coloration of branches of current year’s growth present only: Plant: intensity of color”.

- Char. 6 to be indicated as QN.  
 Char. 7 to be indicated as QN.  
 ? New Char. consider possibility of leaf shape characteristic.  
 Char. 8 to be indicated as QN.  
 New Char. to read: "Leaf: variegation" with states "absent" (1); "present" (9).  
 Char. 9 to be indicated as QL. To have the notes (1) and (9).  
 Char. 10 to be indicated as QN.  
 Char. 11 to be indicated as QL. To read "Leaf: profile" with states: "convex" (1); "flat" (2); "concave" (3).  
 Char. 12 to be indicated as PQ. To have the states: "acute" (1); "right-angle" (2).  
 Char. 13 to be deleted.  
 Char. 14 to be indicated as PQ. To read "Leaf: shape of apex" with states "acute" (1); "rounded" (2).  
 Char. 15 to be indicated as QL. To read "Leaf: odor".  
 Char. 16 to be indicated as QN.  
 Char. 17 to be indicated as QN.  
 Char. 18 to be indicated as QN.  
 Char. 19 to be indicated as QN. (+) to be added. Replace "size" with "diameter".  
 Char. 20 to be indicated as QN. Delete "one".  
 Char. 21 to be indicated as QN. Delete "one".  
 Char. 22 to be indicated as QL.  
 Char. 23 to be indicated as QN. To read: "For varieties with reddish or brownish coloration of sepals present: Sepals: intensity of color".  
 Char. 24 to be indicated as QN. To read "Sepals: curvature" with states: "absent or weakly curved" (1); "moderately curved" (2); "strongly curved" (3).  
 Char. 25 to be indicated as QN.  
 Char. 26 to be indicated as PQ.  
 Char. 27 to be indicated as PQ.  
 Char. 28 to be indicated as QN. To read "Style: length".  
 Char. 29 to be indicated as QL. "Ovary:" to be deleted.  
 New Char. (after 29) "Inflorescence: number of berries" with states: "few" (3); "medium" (5); "many" (7). To be indicated as QN.  
 Char. 30 to be indicated as QN. Replace "size" with "maximum diameter."  
 Char. 31 to be indicated as PQ. To read "Berry: shape in longitudinal section." Delete "-".  
 Char. 32 to be indicated as PQ. (+) to be added. State 3 to be deleted.  
 Char. 33 to be indicated as QL. "Top" to be replaced by "apex".  
 Char. 34 to be indicated as PQ. "Texture" to be replaced by "surface".  
 Char. 35 to be indicated as PQ. To be revised to include further colors.  
 New Char. (after 35) "Berry: width of whitish or greenish band at base" with states: "absent or narrow" (1); "medium" (2); "broad" (3). To be indicated as QN.  
 Char. 36 to be indicated as QN.  
 ? New Char. Consider characteristic for inflorescence type.

## 8. Explanations on the Table of Characteristics:

- Ad. 19 illustration to be provided.



Ad. 32 illustration to be provided.

10. Technical Questionnaire: Paragraph 1.2: Common name “Saint John’s Wort” to be deleted. Paragraph 5.1: State 1 to read “upright”. New characteristic 30 (after 5.1) to be added. Paragraph 5.2 to read: “Berry: shape in longitudinal section”. Delete “-”.

7.3 ASW 10 to be added.

53. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

### Test Guidelines for *Leptospermum*

54. The Working Party reviewed document TWO/35/11 and comments from the subgroup, with Ms. Costa (AU) as a leading expert, and made the following main changes to it:

3. Method of Examination: paragraph 3.3.2 (a) to read “All observations on the young leaf should be made on the distal part of the shoot on fully expanded leaves during active growth. The color ...”. Paragraph 3.3.2 (b) to read “All observations on the mature leaf should be made on leaves of the middle part of the shoots during summer.” Paragraph 3.3.2 (new) (after b) flower bud characteristics to be examined immediately prior to reflexing of the sepals. Paragraph 3.3.2(c) to be amended to read (d).
5. Grouping of Varieties and Organization of the Growing Trial: paragraph 5.3: “(c) Petal ...” to read “(e) Petal ...”.
7. Table of Characteristics:

The Table of Characteristics is to be renumbered according to the sequence presented in the document. Example varieties to be provided.

- Char. 1 to be indicated as PQ.  
 Char. 2 to be indicated as QN.  
 Char. 3 to be indicated as QN.  
 Char. 3a to be indicated as QN. To read “Plant: curvature of branches at distal end.”  
 Char. 4 to be indicated as QN.  
 Char. 5 to be deleted.  
 Char. 6 to be indicated as PQ. New state: orange brown (7) to be added.  
 Char. 7 to be indicated as QN. To have the states: absent or weak (1); medium (2); strong (3).  
 Char. 15 to be indicated as PQ. To read from state 6 as follows: orange brown (7); red (8); red brown (9); red purple (10); dark purple (11).  
 Char. 9 to be indicated as QN. To read “Leaf blade: attitude in relation to stem”.  
 Char. 10 to be indicated as QN.

- Char. 11 to be indicated as QN. Suitability of example variety “BY 11” to be checked for state 3.
- Char. 12 to be indicated as PQ.
- Char. 13 to be indicated as PQ.
- Char. 14 to be indicated as PQ.
- Char. 16 to be indicated as QL.
- Char. 17 to be indicated as PQ. “Pubescence” to be replaced by “hairs”. State 9 to read “dark purple.”
- Char. 18 to be indicated as PQ.
- Char. 19 to be indicated as QN.
- Char. 20 to be indicated as QN. To read “Leaf blade: ... ”
- Char. 26 to be indicated as QN. To have the note (new-(c)). “Bud” to be amended to “bud”. Spelling of moderately to be corrected.
- Char. 25 to be indicated as PQ. To have the note (new-(c)). “Bud” to be amended to “bud”.
- Char. 27 (+) to be added to provide the definition of the types.
- Char. 28(1)(+) to be added for explanation. To be checked if all the states are possible for both semi-double and double varieties. If not, the characteristic is to be split into two characteristics with the states applicable in each case.
- Char. 28(2) to be indicated as QN.
- Char. 33 to be indicated as QN.
- Char. 29 to be indicated as QN.
- Char. 30 to be indicated as PQ. To have the states: acute (1); obtuse (2); rounded (3).
- Char. 31 to be indicated as PQ.
- Char. 32 to be indicated as QN. To have the states: absent or very weak (1); weak (2); strong (3).
- Char. 34 to be indicated as QN.
- Char. 35 to be indicated as QL. The word “visible” to be deleted. To have the states: one (1); two or more (2).
- Char. 36 to be indicated as QL. To read: “Varieties with two or more colors on upper side: Petal: ... ”
- Char. 37 to be indicated as QL.
- Char. 38 to be indicated as PQ.
- Char. 39 to be indicated as PQ. To read: “Varieties with two or more colors on upper side: Petal: ... ”.
- Char. 42 to be indicated as QN. To have the states: weak (3); medium (5); strong (7).
- Char. 43 to be deleted.
- Char. 40 to be indicated as PQ. To read: “Petal: main color 2 weeks after first opening”.
- Char. 41 to be indicated as PQ. To read: “Varieties with two or more colors on upper side: Petal: secondary color 2 weeks after first opening”.
- Char. 44 (+) to be added. To be indicated as QN. To read: “Flower: diameter of disc in relation to diameter of flower” and moved to after characteristic 28.
- Char. 45 (+) to be added. To be indicated as PQ. To have an extra state: dark purple (5) and moved after characteristic 28 and 44.
- Char. 46 to be indicated as PQ. To read: “Disc: main color 2 weeks after first opening”.

- Char. 47 (+) to be deleted. To be indicated as QN. To read: “Stamen: length of fertile stamen in relation to length of petal”.
- Char. 48 to be indicated as PQ.
- Char. 51 to be indicated as QN.

8. Explanations on the Table of Characteristics: explanations/illustrations to be provided for characteristics 1, 3, 3a, 6, 9, 13, 27, 28, 44 and 45.
10. Technical Questionnaire: paragraph 6: example: Petal: main color: e.g. red / e.g. red purple, paragraph 7.3: ASW 10 to be added.

55. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

### Test Guidelines for Ornamental Apple

56. The Working Party reviewed document TWO/35/20 and comments from the subgroup, with Miss Scott (UK) as a leading expert, and made the following main changes to it:

2. Material Required: paragraphs 2.2 and 2.3: to specify three-year-old trees grafted on a rootstock.
3. Method of Examination: paragraph 3.1: to specify that the number of independent growing cycles is 2. Paragraph 3.3.1: to introduce a standard phrase for fruit trees indicating that the trees should produce two satisfactory crops of fruit.
7. Table of Characteristics: 7.3 ASW 10 to be added.

57. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

### Test Guidelines for Petunia

58. The Working Party reviewed document TWO/35/14 and comments from the subgroup, with Ms. Menne (DE) as a leading expert, and made the following main changes to it:

Cover page: Associated documents to contain reference to the Test Guidelines for Calibrachoa.

1. Subject of these Guidelines: paragraph 1.1: to add the sentence “These Test Guidelines do not apply to varieties of the genus Calibrachoa, which is covered by TG/.../.. ”.
2. Material Required: paragraph 2.3: section for seed-propagated varieties to read “600 seeds, preferably supplied in 6 portions, each of 100 seeds”.
4. Assessment of Distinctness, Uniformity and Stability: paragraph 4.2.2 to read “For vegetatively propagated varieties and seed propagated varieties which are

self-pollinated varieties, the acceptable number ...”. Paragraph 4.2.3 to read “For the assessment of uniformity of seed propagated varieties which are cross-pollinated or are hybrids, the recommendations ...”

5. Grouping of Varieties and Organization of the Growing Trial: paragraph 5.3(c) to read “Corolla lobe: number of colors of upper side (excluding veins) (characteristic 23).”, paragraph 5.3(d) to read “Corolla lobe: main color of upper side (characteristic 24).” and paragraph 5.3(e) to read “Corolla lobe: conspicuousness of veins on inner side (characteristic 26)”.

7. Table of Characteristics:

Example varieties to be provided.

- Char. 1 to be indicated as QL. State 1 to read “upright.” (\*) to be added.  
 Char. 2 to be indicated as QN.  
 Char. 3 (+) to be added. To be indicated as QN.  
 Char. 4 to be indicated as QN.  
 Char. 5 to be deleted.  
 Char. 6 to be indicated as QN. Additional state: absent or very short (1) to be added. To be moved after characteristic 13.  
 Char. 7 to be indicated as QN.  
 Char. 8 to be indicated as QN.  
 Char. 9 to be indicated as PQ. Order of states to be changed to: ovate (1); elliptic (2); circular (3); obovate (4); rhombic (5).  
 Char. 10 (+) to be added. To be indicated as PQ.  
 Char. 11 to be indicated as QL.  
 Char. 12 to be indicated as QN. To read “Non-variegated varieties only: ... ”  
 Char. 13 (+) to be added. To be indicated as QL.  
 Char. 14 to be indicated as QN.  
 Char. 15 to be deleted.  
 Char. 16 (+) to be added. To be indicated as QN.  
 Char. 17 (+) to be added. To be indicated as QN.  
 Char. 18 to be indicated as PQ.  
 Char. 19 to be indicated as QL.  
 Char. 20 to be indicated as QL.  
 Char. 21 to be indicated as QN.  
 Char. 22 (\*) to be added. To be indicated as QL.  
 New Char. (a) (after 22) to read “Flower: color of veins” with states: yellow (1); red (2); purple (3). To be indicated as PQ.  
 Char. 23 to be indicated as QL. To read “Corolla lobe: number of colors of upper side (excluding veins)”.  
 Chars. 24 to 28 replace “flower” with “corolla lobe”. Delete “(as for 23)”.  
 Char. 24 to be indicated as PQ.  
 Char. 25 to be indicated as PQ. To read “For bi- and multi-colored varieties only: Corolla lobe: ... ”  
 Char. 26 to be indicated as PQ. States to read: at transition to corolla tube (1); along mid-vein (2); at margin (3).  
 New Char.(b) (after 26) to read “For multi-colored varieties only: Corolla lobe: tertiary color of upper side” with the same states as characteristic 25. To be indicated as PQ.

- Char. 27 to be indicated as QN.
- Char. 28 to be indicated as QN.
- Chars. 29 to 31 replace “flower” with “corolla”.
- Char. 29 to be indicated as QN.
- Char. 30 to be indicated as PQ.
- Char. 31 to be indicated as QN.
- Char. 32 to read “Anther: color before pollen dehiscence”. To be indicated as PQ.

8. Explanations on the Table of Characteristics:

- Ad. 3 to explain that the length should be measured from the center of the plant and an illustration provided.
- Ad. 9 order of states to be changed to: ovate (1); elliptic (2); circular (3); obovate (4); rhombic (5).
- Ad. 10 illustration to be provided.
- Ad. 13 illustration to be provided.
- Ad. 16/17(/18) illustration to be provided.
- Ad.18 in addition to existing illustration, the part of the plant to be examined is to be shown on the illustration for Ads. 16 and 17.
- Ad. 26 states to read: at transition to corolla tube (1); along mid-vein (2); at margin (3).

9. Literature:

References from the updated Calibrachoa draft Test Guidelines (TWO/35/13) to be added.

10. Technical Questionnaire:

- 4.1 to be updated according to outcome of TGP/7.1.
- 4.2 to read:
  - 4.2.1 Vegetatively propagated varieties:
    - (a) cuttings
    - (b) *in vitro* propagation
  - 4.2.2 seed
  - 4.2.3 other (provide details)
- 5.4 to read “Corolla lobe: number of colors of upper side (excluding veins)”.
- 5.5(i) replace “flower” with “corolla lobe”.
- 5.5(ii) replace “flower” with “corolla lobe”. State 5 to read “blue pink”.
- 6 example: Flower color: e.g. white / e.g. pink.
- 7.3 ASW 10 to be added.

59. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

Test Guidelines for Phalaenopsis

60. The Working Party reviewed document TWO/35/2 and comments from the subgroup, with Mr. Mizuno (JP) as a leading expert, and made the following main changes to it:

6. Introduction to the Table of Characteristics: paragraph 6.4: example varieties. “in quotation marks” to be replaced by “between ‘...’.”
7. Table of Characteristics:

Further example varieties to be provided.

- Char. 7 replace QL with QN.
- Char. 8 replace QN with PQ.
- Char. 10 (+) to be added.
- Char. 11 (+) to be added.
- Char. 15 “Peduncle” to be replaced by “Inflorescence.” To be moved to after characteristic 11.
- Char. 17 (+) to be deleted. To have the states: smooth (1); rough (2).
- Char. 21 state 3 to read “elliptic.” State 5 to read “round”.
- Char. 24 replace PQ with QN.
- Char. 25 replace PQ with QN.
- Char. 29 state 1 to read “even.” Replace “+” with “and” in states 7 and 8.
- Char. 30 replace QL with PQ.
- Char. 31 replace QL with PQ. To read: “Dorsal sepal: secondary color”.
- Char. 33 state 1 to read “even.” Replace “+” with “and” in states 7 to 11.
- Char. 34 replace QL with PQ.
- Char. 35 replace QL with PQ. To read: “Lateral sepal: secondary color.”
- Char. 36 state 3 to read “elliptic”, state 5 to read “rhombic”, state 6 to read “semi-circular”.
- Char. 39 replace PQ with QN.
- Char. 40 replace PQ with QN.
- Char. 43 replace QL with QN. (+) to be added. To read “Flower: arrangement of petals” and be moved after characteristic 19.
- Char. 45 state 1 to read “even.” Replace “+” with “and” in states 7 to 9.
- Char. 46 replace QL with PQ.
- Char. 48 replace QL with PQ. To read: “Petal: secondary color”.
- Char. 52 to read “Lip: length of whiskers relative to length of apical lobe”.
- Char. 53 state 3 to read “elliptic”, state 6 to read “rhombic”, state 8 to read “semi-circular.” “Deltoid” to be checked.
- Char. 54 to read “Lip: bump and ridge on apical lobe”.
- Char. 55 replace QL with PQ.
- Char. 56 replace QL with PQ.
- Char. 57 replace “equivalent” with “same”.
- Char. 59 replace “self-colored” with “even”.
- Char. 60 replace QL with PQ.
- Char. 61 replace QL with PQ.
- Char. 62 replace “self-colored” with “even”.
- Char. 63 replace QL with PQ.
- Char. 64 replace QL with PQ.
- Char. 67 replace QL with PQ.

8. Explanations on the Table of Characteristics:

- Ad. 10 illustration to be provided.  
 Ad. 11 illustration to be provided.  
 Ad. 43 illustration to be provided to clarify that it is petal: petal overlap and not petal: sepal.  
 Ad. 49 etc to read “Ad. 49, 50, 52 and 54.” Key to read: “column (1); Lip: lateral lobe (2); Lip: whiskers (3); Lip: apical lobe (4); Lip: callus (5).” The two diagrams to be kept on the same page.  
 Footnote “Phalaenopsis ...” to be deleted.

9. Literature:

Further references to be added.

10. Technical Questionnaire:

- 5.2 state 1 to read “even.” Replace “+” with “and” in states 7 to 9.  
 5.3 “main colour” to be changed to “main color.”
- 6 example provided to be: Petal: color pattern e.g. shaded / e.g. shaded and striped.
- 7.3 ASW 10 to be added, but modified to request a photograph of the whole plant and one of the flower.

61. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

Test Guidelines for Poinsettia (TWO/35/19)

62. The Working Party reviewed document TWO/35/19 and comments from the subgroup, with Mr. Jacobsen (DK) as a leading expert, and made the following main changes to it:

2. Material Required: paragraph 2.3 to read: “ ... 12 rooted cuttings.”
3. Method of Examination: new paragraph 3.3.3 (after 3.3.2) to be added to give the guidance for conducting the test in a greenhouse.
7. Table of Characteristics:

- Char. 2 to read: “Branching plant only: Plant: number of branches.  
 New char. after 4 to read: “Present color on a stem” with the states “present”(1); “absent”(2).
- Char. 5 to read: “Varieties with colored stem only: Stem: color” with the states “white-green”(1); “green” (2); “dark green” (3); “medium dark” (4); “brown-green” (5); “reddish green” (6); “reddish” (7).
- New char. after 5 to read: “Stem: anthocyanin coloration only” with states: “absent” (1); “present” (2).

- New char. before 6 to read: “Varieties with anthocyanin coloration only: intensity”.
- Char. 6 to read: “Varieties with colored stem only: Stem: intensity of color” with the states: “very weak”(1), “ weak”(3), “ medium”(5), “ strong”(7).
- Char. 8 states to be updated to have note 9.
- Char. 9 notes to be changed to: “elliptic”(1); “obovate”(2); “ovate”(3); “deltoid” (4).
- Char. 10 (+) to be added.
- Char. 11 only states 1 and 2 should be used.
- Char. 13 the states should be established by RHS Colour Charts with indication reference numbers.
- Char. 14 to check if other colors can be added.
- Char. 17 to be updated. To read: “Varieties with bi- or multicolored leaves only: Leaf blade: main color compared to other colors” with the states: “slightly”, “moderate”, “moderately higher”, “much higher”.
- Char. 20 (+) to be added.
- Char. 21 (+) to be added.
- Char. 26 to check if it is possible to use notes from 1 to 9.
- Char. 27 (+) to be added.
- Char. 29 and 30: order to be changed. Characteristic 29 becomes 30 and characteristic 30 becomes 29.
- Char. 31 (+) to be added. To use notes from 1 to 9.
- Char. 32 to use notes from 1 to 9.
- Char. 35 to read: “Varieties with two or more than two colors only: Bract: pattern of colors of upper side” with states: “marbled”(1); “spotted”(2).
- Char. 40 to read: “Spotted varieties only: Bract: main color of upper side”.
- Char. 46 to read: “Spotted varieties only: Bract: main color of lower side”.
- Char. 47 to read: “Spotted varieties only: Bract: color of spots of lower side”.
- Char. 51 to read: “Bract: rugosity between veins”.
- Char. 56 to use notes from 1 to 9.

9. Literature: experts from interested countries should be requested to add relevant references.

10. Technical Questionnaire:

5.10i and 5.10ii to be updated to correspond with characteristic 40.

Paragraph 7.3 ASW 10 to be added.

63. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

#### Test Guidelines for Rose (TWO/35/18)

64. The Working Party reviewed document TWO/35/18 and comments from the subgroup, with Mr. Barendrecht (NL) as a leading expert, and made the following main changes to it:



65. The Subgroup noted that a single set of Test Guidelines would now be developed for all types of rose but noted that the current document and discussions should refer to cut-flower types only.

2. Material Required: paragraph 2.2 to read: “The material should be supplied in the form of young plants of commercial standard with their own roots unless the variety does not grow on its own roots, in which case plants and/or budwood of the variety would also be required.” Paragraph 2.3 to read: “In cases where plants are supplied the applicant should state the rootstock which has been used.”
3. Method of Examination: paragraph 3.3.1 a new sentence to be inserted after the first sentence reading: “The plants should not be observed in the first flush of flowering.” Paragraph 3.3.2: these conditions should be reviewed to cater for different approaches, perhaps by providing an explanation of other ways of growing the plants, such as outdoors.
4. Assessment of Distinctness, Uniformity and Stability: paragraph 4.2.2 will need to be reviewed according to the outcome of discussions concerning section 2.4.
5. Grouping of Varieties and Organization of the Growing Trial: paragraph 5.3 the example variety “meileeuw” for state 9 is to be replaced by a non bi-colored variety.
7. Table of Characteristics:

Chars. 7 to 9 to begin with: “Varieties with long prickles only: ...”.

Char. 12 to read: “Leaf: green color” with the states “light (3); medium (5); dark (7).”

Char. 15 to have the states: narrow elliptic (1); elliptic (2); ovate (3); circular (4).

Char. 17 “top” to be replaced by “apex”.

Chars. 19 to 21 “flower” to be deleted.

Char. 22 to read: “Flower bud: shape in longitudinal section (just before separation of sepals)”. State 5 to read “circular”.

Char. 23 It was noted that consideration would need to be given to how to handle flowers with two colors.

Char. 27 to be checked if this should refer to the margins of petals or of a larger part of the petals.

Char. 29 to read: “Flower: side view of lower part”.

New Char. (after 29) to read “Petals: opening of petals one by one” with states: “absent” (1); “present” (9). Subject to further consideration on whether this is linked to other characteristics.

Char. 35 “macule” to be replaced with “basal spot”. State 2 to read: “more than two”.

Char. 36 to be deleted.

Char. 37 to read: “Single colored varieties only: Petal: color distribution” with states: lighter towards the base (1); even (2); lighter towards top (3).

Char. 39 to read “Varieties with two or more colors on inner side: ...”.

New Char. (after 39) “Varieties with more than two colors on inner side: Petal; tertiary color” with the same states as for characteristic 39.

New Chars. for petal color of bi- and multi-colored types to be developed.  
 Char. 40 (+) to be added. States to be created for stripes and to describe the hocus pocus type.

10. Technical Questionnaire:

4.2 to read “(a) budding or grafting; (b) cuttings; (c) *in vitro* propagation; (d) other (please provide details)”.

6 example: Petal: main color: e.g. red / e.g. red purple.

7.3 ASW 10 to be added.

66. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

Test Guidelines for Verbena

67. The Working Party reviewed document TWO/35/6 and comments from the subgroup, with Mr. Barendrecht (NL) as a leading expert, and made the following main changes to it:

3. Method of Examination: paragraphs 3.3.1 and 3.3.3 to be combined.

7. Table of Characteristics:

Char. 1 to have the following states: upright (1), semi-upright (2), creeping (3). Example varieties to start with a capital letter.

Char. 2 to read “Plant: diameter just after the start of flowering”. Example varieties to start with a capital letter.

Char. 3 to have notes 1 and 2. Example varieties to start with a capital letter.

Char. 4 to read “Leaf: length of petiole”. Example varieties to start with a capital letter.

Char. 5 to read “Leaf: length of blade”. Example varieties to start with a capital letter.

Char. 6 to read “Leaf: width of blade”. Example varieties to start with a capital letter.

Char. 7 to read “Leaf: shape of blade”. Example varieties to start with a capital letter.

Char. 8 to read “Leaf: division of blade”. To have notes 1 and 9. Example varieties to start with a capital letter.

Char. 9 to read “Leaf: Blade: type of division”. Divided to have states: lobed (1); divided (2); dissected (3). Example varieties to start with a capital letter.

Char. 10 to have “Leaf: Blade: type of incisions of margin”. Example varieties to start with a capital letter.

Char. 11 to have “Leaf: Blade: color of upper side.” To have states: yellow-green (1); light green (2); dark green (3); grey/green (4). Example varieties to start with a capital letter.

New char. to read “Leaf: Blade: anthocyanin coloration”. To have states: absent (1); present (2).

- Char. 12 to read “Inflorescence: diameter”. Example varieties to start with a capital letter.
- Char. 13 to read “Inflorescence: shape in profile”. Example varieties to start with a capital letter.
- Char. 14 to read “Flower: diameter of corolla”. Example varieties to start with a capital letter.
- Char. 15 to read “Calyx: anthocyanin coloration”. To have notes 1 and 2. Example varieties to start with a capital letter.
- Char. 16 to read “Calyx: presence of anthocyanin coloration”. To have states: at the base (1), upper part (2), teeth only (3), entire calyx (4).
- Char. 17 to read “Corolla tube: length”. Example varieties to start with a capital letter.
- Char. 18 to read “Corolla tube: color of tip of protruding hairs”. Example varieties to start with a capital letter.
- Char. 19 to read “Corolla: arrangement of lobes”. To have states: free (1); touching (2); overlapping (3).
- Char. 20 To read “Corolla: curvature of longitudinal axis”. To have states: absent (1), incurved (2), recurved (3). Example varieties to start with a capital letter.
- Char. 21 to read “Corolla: undulation of lobes of margin”. Example varieties to start with a capital letter.
- Char. 22 to read “Corolla: number of colors”. Example varieties to start with a capital letter.
- Char. 23 to read “Corolla: color pattern”. To have states: even (1); shaded (2); star-shaped (3); speckled (4); speckled and striped (5).
- New char. to read “Corolla: Shaded varieties only: distribution of color”. To have states: lighter at base (1); lighter towards apex (2).
- Char. 24 to be deleted.
- Char. 25 to read “Corolla: main color” RHS Colour Chart.
- Char. 26 to read “Corolla: secondary color” RHS Colour Chart.
- Char. 27 to read “Corolla: eye”. To have notes 1 and 2. Example varieties to start with a capital letter.
- Char. 28 to read “Corolla: diameter of eye” 3-5-7, etc. Example varieties to start with a capital letter.
- Char. 29 to read “Corolla: color of eye”. To have states: white-greenish (1); green-yellow (2); pink (3); red (4); purple (5). Example varieties to start with a capital letter.
- Char. 30 to read “Corolla: change of color with age”. To have states: absent (1); fading (2); darkening (3). To change example varieties: Blacena, Lobena (1); Balazlavi (2).

8. Explanations on the Table of Characteristics:

Ad. 9 to change legend of diagrams: lobed (1); divided (2); dissected (3).

10. Technical Questionnaire:

All example varieties should start with a capital letter.

Char. 5.2 to read “Leaf: blade”.

After Char. 5.4 to have:

Char. 5.5 Flower: main color (see Table of Characteristics, Characteristic 24).

Char. 5.6 Flower: main color RHS Colour Chart.

68. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

#### Test Guidelines for Waxflower (TWO/35/9)

69. The Working Party reviewed document TWO/35/9 and comments from the subgroup, with Ms. Costa (AU) as a leading expert, and made the following main changes to it:

1. Subject of these Guidelines: paragraph 1.1 to read: “These Test Guidelines apply to all varieties of *Chamelaucium* Desf. of the family Myrtaceae, Verticordia and Astartea and their hybrids.”
  
7. Table of Characteristics:
  - Char. 1 to read: “Leaf: attitude to stem” with states: “adpressed” (1); “oblique” (2); “perpendicular” (3).
  - Char. 2 to read: “Leaf: length not including petiole”.
  - New char. after char.2 to read: “Leaf: width of widest petiole” with states: “narrow” (3); “medium” (5); “broad” (7).
  - New char. after char. 3 to read: “Leaf: shape in cross-section” with states: “infolded” (1); “incurved” (2); “flat” (3); “recurved” (4).
  - Char. 4 to be deleted.
  - New char. instead of char. 4 to read: “Leaf: position of broadest part”.
  - Char. 5 to be deleted.
  - New char. instead of char. 5 to read: “Plant: number of branches” with states: “very few” (1); “few” (3); “medium” (5); “many” (7); “very many” (9).
  - New char. before char. 6 to read: “Branch: number of leaves” with states: “very few” (1); “few” (3); “medium” (5); “many” (7); “very many” (9).
  - Char. 8 to read: “Inflorescence: density of flowers”.
  - Char. 9 to have states: “round” (1); “flatted” (2); “flat” (3).
  - Char. 10 to read: “Flower bud: conspicuous of horns”.
  - Char. 11 to have states: “smooth” (1); “rough” (2).
  - New char. after char.11 to read: “Flower bud cap: glossiness” with states: “absent or very weak” (1); “weak” (3); “medium” (5); “strong” (7); “very strong” (9).
  - Char. 12 to read: “Flower bud cap: main color (before cap dehiscence)”.
  - Char. 13 to be deleted.
  - New char. after char.14 to read: “Pedicel: length” with states: “very short”(1); “short” (3); “medium” (5); “long” (7); “very long” (9).
  - Char. 19 to change the wording: “ ... (4 weeks ... ” for “ ... (6 weeks ... ”.
  - Char. 20 to change the wording: “... color of waxy center” for “... hypanthium”.

- New char. after char.20 to read: “Flower: attitude of petals” with states: “concave (-45°/0°)” (1); “flat 0°” (2); “flattened convex (0°/+45°)” (3); “convex (+45°)” (4).
- New char. to read: “Flower: arrangement of petals”
- New char. to read: “Petal: ratio length/width” with states: “broader than long” (1); “as long as broad” (2); “longer than broad” (3).
- New char. to read: “Petal: color development”
- New char. to read: “Hypanthium: max. diameter”
- Char. 21 to change wording: “... (4 weeks ... ” for “ ... (6 weeks ... ”).
- New char. to read: “Fringing of sepals”
- New char. to read: “Increase in size of sepals in relation to petals”
- Char. 25 to divide it into two characteristics. To have char. 25(a) to read: “Calyx tube: color of bottom half” with the same states existing as in char. 25. Char 25(b) to read: “Calyx tube: color of top half” with the same states existing in char. 25.
- Char. 26 to read: “Sepal: color”.
- Char. 27 and 28 to be updated taking into account different stages of “stamen” and “style” development.

70. The subgroup recommended that the document as amended should be discussed further at the next session of the TWO.

### Test Guidelines for Willow

71. The Working Party reviewed document TWO/35/3 and comments from the subgroup, with Ms. Menne (DE) as a leading expert, and made the following main changes to it:

3. Method of Examination: paragraph 3.3.4 to be deleted as not relevant to the species.
7. Table of Characteristics:
 

Char. 1	to be indicated as QL. Example variety “Tora” to be added for note 1. Example variety “Björn” to be added for note 2.
Char. 2	to be indicated as QN.
Char. 3	to be indicated as PQ.
Char. 4	to be indicated as PQ. To read “Main shoot: color in the middle third (sunny side)”. State 7 to read “medium green”.
Char. 5	to be indicated as QN. (+) to be deleted. Example variety “Tordis” to be added for note 1. Example variety “Björn” to be added for note 3. Example variety “Eva” to be added for note 5. Example variety “Nils” to be added for note 7.
Char. 6	to be indicated as QN.
Char. 7	to be indicated as PQ. (+) to be deleted.
Char. 8	to be indicated as QN. (+) to be deleted.
Char. 9	to be indicated as QN. To read “Main shoot: number of branches longer than 5 cm.”
Char. 10	to be indicated as QN. To read “Branch: angle between first 5 cm of branch and main shoot in middle third of main shoot”.

- Char. 11 to be indicated as PQ.  
 Char. 12 to be indicated as PQ. Order of states to be changed to: yellow green (1); grey green (2); green (3); grey brown (4); red brown (5); brown (6).  
 Char. 13 to be indicated as QN.  
 Char. 14 to be indicated as QN.  
 Char. 15 to be indicated as PQ.  
 Char. 16 to be indicated as PQ. State 1 to read “acuminate.” State 2 to read “acute.” State 3 to read “rounded”. State 4 to read “obtuse”. State 5 to read “truncate”. State 6 to read “cordate”.  
 Char. 17 to be deleted.  
 Char. 18 to be indicated as PQ. State 2 to read “light green”. State 3 to read “medium green”. State 4 to read “dark green”. State 5 to read “grey green”. State 6 to read “blue green”. State 7 to read “red green”.  
 Char. 19 to be indicated as QN.  
 Char. 20 to be indicated as QN.  
 Char. 21 to be indicated as QN.  
 Char. 22 to be indicated as PQ.  
 Char. 23 to be indicated as QN.  
 Char. 24 to be indicated as PQ. Order of states to be changed to: type 2 (1); type 3 (2); type 1 (3).

8. Explanations on the Table of Characteristics:

- Ad. 16 state 1 to read “acuminate”.  
 state 2 to read “acute”.  
 state 3 to read “rounded.”  
 state 4 to read “obtuse”.  
 state 5 to read “truncate”.  
 state 6 to read “cordate”.  
 Ad. 17 to be deleted.  
 Ad. 24 order of states to be changed to: type 2 (1); type 3 (2); type 1 (3).

9. Literature:

Second reference: the year of publishing to be added.

72. The subgroup recommended that the document as amended should be prepared for adoption by the TC.

Draft Test Guidelines to be Presented to the Technical Committee

73. The TWO agreed that the following draft Test Guidelines would be sent to the professional organizations and then submitted to the TC for approval in April 2003, on the basis of the amendments presented in “(b) Subgroup discussions on draft Test Guidelines” in paragraphs 38 to 72 of this document, which would be introduced by the Office with information provided by the leading expert:

- *Bracteantha*
- Calibrachoa
- *Dendrobium*
- *Leptospermum*
- Ornamental Apple
- Petunia
- Phalaenopsis
- Verbena<sup>1</sup>
- Willow (Revision).

Draft Test Guidelines to be Discussed at the TWO in 2003

74. The TWO proposed to continue work on the following Test Guidelines at its next session:

- Brachyscome
- *Catharanthus roseus*
- Chrysanthemum (Revision (United Kingdom to prepare a document))
- Clematis
- Dahlia
- Hypericum (berry producing species)
- *Impatiens walleriana*
- Poinsettia (Revision)
- Tagetes
- Waxflower.

75. The TWO decided to begin work on the following new draft Test Guidelines at its 2003 session:

- Alstroemeria (Revision) (Netherlands to prepare a document)
- Argyranthemum (Germany to prepare a document)
- Diascia (United Kingdom to prepare a document)
- Gypsophila (Israel to prepare a document)
- Hibiscus (Republic of Korea to prepare a document)
- Rose (Revision – all types)

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To go for rediscussion at TWO 2003. Decision made by the leading expert, Mr. Joost Barendrecht and Mr. Chris Barnaby, Chairman of TWO, after TWO/35. During testing of the species in the southern hemisphere summer of 2003, it was found that a number of technical details require amendment or clarification.

76. The TWO decided to discuss the following new draft Test Guidelines at its 2004 session:

- Antirrhinum (Japan to prepare a document)
- Eucalyptus (part of genus only) (Brazil to prepare a document)
- Nemesia (United Kingdom to prepare a document)
- Phlox (Ecuador to prepare a document)
- Tulip (Revision) (Netherlands to prepare a document).

77. The interested experts for the draft Test Guidelines listed in paragraphs 74 and 75 of this report are presented in Annex II.

#### Future Program, Date and Place of the Next Session

78. At the written invitation of the expert from Canada, the TWO agreed to hold its thirty-sixth session in Niagara Falls, from September 22 to 26, 2003.

\*79. The provisional program was agreed as follows:

1. Opening of the session
2. Adoption of the agenda
3. Short reports on developments in plant variety protection
  - (a) reports from members and observers (brief oral reports by the participants)
  - (b) report on developments within UPOV (oral report by the Office of the Union)
4. Molecular techniques
5. Project to consider the publication of variety descriptions
6. UPOV databases
7. TGP documents
8. Survey on "Testing of Seed-Propagated Ornamental Varieties"
9. Uniformity requirements for variegated varieties
10. Discussions on draft Test Guidelines (Subgroups)
11. Recommendations on draft Test Guidelines (plenary)
12. Date and place of the next session
13. Future program
14. Report on the conclusions of the session (if time permits)
15. Closing of the session.



80. The experts from the Republic of Korea extended an invitation to the TWO to hold a future meeting in their country.

81. Miss Elizabeth Scott was awarded a UPOV bronze medal in recognition of her chairmanship of the TWO for the period 2000 to 2002.

#### Visit

82. On November 20, 2002, the TWO participated in the technical visit to the ROSEN TANTAU Co. Ltd. Mr. Victor Ponce Tobar, President of the *Asociación Ecuatoriana de Variedades Vegetales* - ASOVEC/ ROSEN TANTAU made a presentation on the activities of the company.

*83. This report has been adopted by correspondence.*

[Annex I follows]

ANNEX I

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[Annex II follows]

## ANNEX II

Amendments to Draft Test Guidelines to be Considered at the TWO Meeting in 2003

## LIST OF LEADING EXPERTS (TWO 2002)

<b>Species</b>	<b>Basic Document</b>	<b>Leading experts</b>	<b>Interested experts (countries) (for name of experts see List of Participants in Annex I)</b>
Alstroemeria (Revision)	TG/29/6	Mr. Barendrecht, NL	AU, CA, EU, JP, KE
Argyranthemum	New	Mrs. Menne, DE	AU, CA, DK, GB, NZ
Brachyscome	TWO/35/10- TG/Brachy(proj.1)	Mrs. Costa, AU	DE, GB, JP, NZ
<i>Catharanthus roseus</i>	TWO/35/15- TG/Cathar(proj.1)	Mr. Mizuno, JP	DE, EU, ZA
Chrysanthemum (Revision)	TG/26/4	Miss Scott, GB	CA, CZ, DE, DK, EU, FR, IL, JP, KE, KR, MX, NL, NZ, PL
Clematis	TWO/35/5- TG/Clemat(proj.1)	Ms. Marshall, CA	AU, DE, EU, FR, GB, JP, NL, NZ
Dahlia	TWO/35/21- TG/Dahlia(proj.1)	Miss Scott, GB	AU, CA, CZ, EU, MX, NZ, PL, NL
Diascia	New	Miss Scott, GB	AU, CA, NZ
Gypsophila	New	Mr. Bar-Tel, IL	AU, EQ, EU, KE
Hibiscus	New	Mr. Jeon, KR	AU, BZ, DE, GB, IL, NZ
Hypericum (berry producing species)	TWO/35/8- TG/Hyper(proj.1)	Mr. Barendrecht, NL	EU, HU, JP
<i>Impatiens walleriana</i>	TWO/34/19	Mr. Brand, FR, or Mrs. Menne, DE	AU, CA, CZ, DE, EU, FR, ZA
Poinsettia	TWO/35/19- TG/Poinse(proj.1)	Mr. Jacobsen, DK	AU, CA, EU, DE, JP, MX, NL

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Rose (Revision)	TG/11/7, TWO/35/18- TG/Rose (proj.1)	Mr. Barendrecht, NL	AU, BR, CA, DE, FR, GB, IL, JP, KE, KR, NZ, ZA
Tagetes	TWO/34/18	Mr. Brand, FR	DE, EU, HU, KE, KR, MX, PL
Waxflower	TWO/35/9- TG/Waxfl(proj.1)	Mrs. Costa, AU	IL, ZA

[End of Annex II and of document]