Technical Working Party for Ornamental Plants and Forest Trees TWO/52/11

Fifty-Second Session
Roelofarendsveen, Netherlands, June 8 to 12, 2020

Original: English Date: June 12, 2020

REPORT

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

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Opening of the session

1. The Technical Working Party for Ornamental Plants and Forest Trees (TWO) held its fifty-second session, hosted by the Netherlands and organized by electronic means, from June 8 to 12, 2020. The list of participants is reproduced in Annex I to this report.

2. The session was opened by Mr. Henk de Greef (Netherlands), Chairperson of the TWO, who welcomed the participants.

3. The TWO was welcomed by Mr. Marien Valstar, Senior Policy Officer, Seeds and Plant Propagation Material, Ministry of Agriculture, Nature and Food Quality, DG AGRO. A copy of the welcome address from Mr. Valstar is provided in Annex II to this report.

4. The TWO received a presentation by Mr. Bert Scholte, Head of Variety Testing Department, Naktuinbouw, on plant variety protection in the Netherlands. A copy of the presentation is provided in Annex III to this report.

Adoption of the agenda

5. The TWO adopted the agenda as reproduced in document TWO/52/1 Rev.2.

Short Reports on Developments in Plant Variety Protection

(a) Reports on developments in plant variety protection from members and observers

6. The TWO noted the information on developments in plant variety protection from members and observers that was provided in document TWO/52/3 Prov.. The TWO noted that reports submitted to the Office of the Union after June 2, 2020, would be included in the final version of document TWO/52/3.

(b) Reports on developments within UPOV

7. The TWO received a presentation from the Office of the Union on latest developments within UPOV, a copy of which is provided in document TWO/52/2.

Development of TGP and information (INF) documents

8. The TWO considered documents TWP/4/1 "Development of TGP and information (INF) documents" and TWO/52/10 "Comments on TGP documents".

Matters for adoption by the Council in 2020

9. The TWO noted the matters concerning documents TGP/5, TGP/7, TGP/14, TGP/15, UPOV/INF/12, UPOV/INF/16 and UPOV/INF/22 to be proposed for adoption by the Council at its fifty-fourth ordinary session, to be held in Geneva on October 30, 2020, subject to approval by the CAJ, at its seventy-seventh session, to be held in Geneva on October 28, 2020.

10. The TWO agreed to propose the following editorial correction to the text of document TGP/5, Section 6:

• To capitalize first letter and add full stop at end of sentence to read: "(If the variety is distinct, uniform and stable.)"

11. The TWO agreed to propose the following editorial correction to the text of document TGP/7, section "Characteristics which only apply to certain varieties":

• To delete quotation marks from state of expression to read: "(PQ) Only varieties with: Presence of hairs: Other than absent or very weak (1): Hair: color"

12. The TWO noted that the TC had agreed the proposal for revision of document TGP/5, Section 6, to be proposed for adoption by the Council at its fifty-fourth ordinary session, to be held in 2020. The TWO agreed to propose that the following changes were considered by the TC for a future revision of document TGP/5, Section 6:

Chapter: UPOV Report on Technical Examination

- Item 13 to read "Testing station site(s) and place(s)"
- New item: Date and document number of UPOV Test Guidelines
- New item: Date and/or document number of Reporting Authority's test guidelines

Chapter: UPOV Variety Description

• Item 11 to read "Testing station site(s) and place(s)"

13. The TWO considered the explanation to item 16 "Similar Varieties and Differences from These Varieties", as presented in the Annex to Chapter "UPOV Variety Description". The TWO noted there were different interpretations among participants on the sentence: "Only those characteristics that show sufficient differences to establish distinctness should be given." The TWO agreed to invite the European Union to make a presentation on "providing information on 'Similar Varieties and Differences from These Varieties" at its fifty-third session.

Possible future revisions of TGP documents and information documents

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

Data processing for the production of variety descriptions for measured quantitative characteristics

14. The TWO considered document TWP/4/10.

15. The TWO considered the different approaches to convert observations into notes for producing variety descriptions for measured quantitative characteristics, as presented in document TWP/4/10, Annexes III to VII, and agreed that the approaches were primarily aimed at species with larger sample sizes and multi-year data sets, which was not often the case for ornamental species.

The Combined Over Years Uniformity Criterion (COYU)

16. The TWO considered document TWP/4/11.

17. The TWO noted the invitation by the TWC for members who use "R" or "DUST" Software to review the new COYU package to identify possible improvement points.

18. The TWO noted the expression of interest by experts from China, Finland, France and the United Kingdom to review the new COYU package.

19. The TWO noted the invitation for editorial suggestions to be communicated to the drafter from the United Kingdom on the proposed draft revision for document TGP/8, Section 9 "The Combined Over Years Uniformity Criterion (COYU)".

20. The TWO noted the invitation for the expert from the United Kingdom to prepare a revised version of the draft guidance, to be presented to the TWC, at its thirty-eighth session.

New proposals for revisions of TGP documents and information documents

TGP/7: Development of Test Guidelines

Links to relevant TGP documents guidance in Test Guidelines

21. The TWO noted the invitation to the TWPs to propose relevant guidance in TGP documents that could have links displayed in Test Guidelines.

- 22. The TWO agreed that the following links should be considered for inclusion in Test Guidelines:
 - Chapter 4.1.3 "Clear Differences" link to document "General Introduction" (document TG/1/3);
 - Chapter 4.2 "Uniformity" links to documents "General Introduction" (document TG/1/3) and TGP/13 "Guidance for new types and species" for advice on using the Test Guidelines for varieties with other types of propagation;
 - Chapter 5.4 "Guidance for the use of grouping characteristics" links to documents "General Introduction" (document TG/1/3) and TGP 9 "Examining Distinctness".
 - Chapter 8.2 "Explanations for individual characteristics" link to document TGP 14 "Glossary of terms used in UPOV documents", section 2: Botanical terms, to avoid inconsistencies between Test Guidelines in relation to explanations for simple characteristics.

Procedure for partial revision of UPOV Test Guidelines

23. The TWO noted discussions on the procedure for partial revision of Test Guidelines.

Development of document UPOV/INF/23 "UPOV Code System"

24. The TWO noted that the CAJ, at its seventy-seventh session, to be held in Geneva on October 28, 2020, would consider draft document UPOV/INF/23 "UPOV Code System".

Program for the development of TGP documents and information documents

25. The TWO noted the program for the development of TGP documents and information documents, as set out in document TWP/4/1 Annexes V and VI, respectively.

Minimum distances between vegetatively propagated ornamental varieties

26. The TWO received a presentation on minimum distances in Tulip by an expert from the Netherlands. A copy of the presentation is provided in document TWO/52/7.

27. The TWO received a presentation on "Minimum distances between vegetatively propagated ornamental varieties - The Pelargonium Case Study" by an expert from the International Community of Breeders of Asexually Reproduced Ornamental and Fruit-Tree Varieties (CIOPORA). A copy of the presentation is provided in document TWO/52/7 Add..

28. The TWO agreed to invite presentations at its fifty-third session to report on further developments on those projects.

New issues arising for DUS examination

29. The TWO received a presentation on "Disease resistance in ornamental crops" from Ms. Amanda van Dijk (Netherlands). A copy of the presentation is provided in document TWO/52/8.

30. The TWO noted the invitation from the Netherlands for interested experts to participate in a ring test for resistance to *Puccinia horiana* in Chrysanthemum varieties. The TWO agreed to invite the Netherlands to report on developments on the ring test at its fifty-third session.

Variety denominations

31. The TWO considered document TWP/4/6.

Possible revision of document UPOV/INF/12 "Explanatory Notes on Variety Denominations under the UPOV Convention"

32. The TWO noted that the TC, at its fifty-fifth session, had agreed to propose to revise the list of classes in document UPOV/INF/12/5:

(a) to split the current class 205 into two new classes: one for Endive and Salad Chicory, and another for Industrial Chicory;

(b) to add genus *Epichloe* to Class 203 (*Agrostis, Dactylis, Festuca, Festulolium, Lolium, Phalaris, Phleum* and *Poa*).

Working Group on Variety Denominations

33. The TWO noted developments in the WG-DEN, at its sixth meeting, and the CAJ, at its seventy-sixth session, concerning a possible revision of document UPOV/INF/12 "Explanatory Notes on Variety Denominations under the UPOV Convention", as set out in document TWP/4/6, paragraphs 13 to 20.

Revision of the ninth edition of the ICNCP

34. The TWO noted that the Office of the Union would contribute to the revision of the ninth edition of the ICNCP on the basis of document UPOV/INF/12/5 and the work of the WG-DEN.

Possible development of a UPOV similarity search tool for variety denomination purposes

35. The TWO noted developments concerning a UPOV similarity search tool for variety denomination purposes, as set out in document TWP/4/6, paragraph 26.

Expansion of the content of the PLUTO database

36. The TWO noted that the CAJ, at its seventy-sixth session, had noted plans for the introduction of a unique identifier for variety records in the PLUTO database.

37. The TWO noted that the CAJ, at its seventy-sixth session, had agreed with the proposal to add common names in other languages to the PLUTO database.

Working group on variety denominations

38. The TWO noted that the CAJ, at its seventy-sixth session, had noted that there was no need for further meetings of the WG-DEN.

Revision of Test Guidelines

39. The TWO considered document TWP/4/13.

Technical Questionnaires

The TWO noted that UPOV members at the TWPs were invited to complete the table with information 40. on the use of the Technical Questionnaire from UPOV Test Guidelines, as provided on the website, and return the Office of the Union by August 1, 2020 (available to at: https://www.upov.int/meetings/en/details.jsp?meeting_id=55667).

Additional characteristics and states of expression in individual authorities' Test Guidelines

41. The TWO noted that UPOV members at the TWPs were invited to notify additional characteristics and states of expression to the Office of the Union using the tables provided in document TGP/5 Section 10.

Additional characteristics and states of expression notified to the Office of the Union

42. The TWO considered the additional state of expression notified to the Office of the Union for the Test Guidelines for Lavender (document TG/194/1), as reproduced in document TWP/4/13, Annex II.

43. The TWO agreed to propose the full revision of the Test Guidelines for Lavender to address the additional state of expression notified and other amendments.

Information and databases

- (a) UPOV information databases
- 44. The TWO considered document TWP/4/4.

UPOV Code System

UPOV code developments

45. The TWO noted that 208 new UPOV codes had been created in 2019 and a total of 9,049 UPOV codes were included in the GENIE database.

Exceptions to UPOV codes in the "Guide to the UPOV Code System"

46. The TWO noted that the TC, at its fifty-fifth session, had agreed to postpone the amendment to the "Guide to the UPOV Code System" and to explore alternative solutions to enable UPOV Codes to provide useful information on variety groups or types for DUS testing purposes and to invite the Office of the Union to prepare a document with proposals, for consideration at its fifty-sixth session.

47. The TWO noted the developments concerning alternative solutions to enable UPOV Codes to provide useful information on variety groups or types for DUS testing purposes.

UPOV code amendments agreed by the TC at its fifty-fifth session

48. The TWO noted that the TC, at its fifty-fifth session, had agreed to amend the UPOV codes for the genera and species set out in document TWP/4/4, Annex IV.

TWP checking

49. The TWO noted the invitation to check the amendments, new UPOV codes or information, and UPOV codes used in the PLUTO database for the first time, as reproduced in document TWP/4/4, Annex V, and submit comments to the Office of the Union by December 31, 2020.

ISTA Nomenclature Committee

50. The TWO noted that the "ISTA List of Stabilized Plant Names" with relevant UPOV codes had been published in January 2020.

PLUTO database

Program for improvements to the PLUTO database

51. The TWO noted that the TC and the CAJ, at their sessions in 2019, had approved the revision of the "Program for improvements to the PLUTO database" to reflect the change of the acceptable character set to accept accents and special characters in denominations in the PLUTO database (ISO/IEC Standard 8859 1: 1998).

Summary of contributions to the PLUTO database from 2016 to 2019

52. The TWO noted the summary of data contributions from members of the Union to the PLUTO database from 2016 to 2019, as presented in document TWP/4/4, Annex VI.

Possible developments to enable UPOV Codes to provide useful information on variety groups or types for DUS testing purposes (Plavarlis project - UPOV codes)

53. The TWO received a presentation on "Possible developments to enable UPOV Codes to provide useful information on variety groups or types for DUS testing purposes" (Plavarlis project) by an expert from the European Union. A copy of the presentation is provided in document TW/52/9.

54. The TWO agreed to invite the European Union to report developments on the project at its fifty-third session.

55. The TWO agreed to invite the Netherlands to make a presentation at its fifty-third session to explain the procedures used for grouping varieties and organizing growing trials. In particular, how were UPOV codes used for this purpose as well as any other relevant sources of information on variety groups or types.

- (b) Variety description databases
- 56. The TWO considered document TWP/4/2.

57. The TWO noted that members of the Union would be invited to report to the TWPs on work concerning the development of databases containing morphological and/or molecular data.

58. The TWO noted the reports made at the BMT meeting on databases containing morphological and/or molecular data.

- (c) Exchange and use of software and equipment
- 59. The TWO considered document TWP/4/5.

Document UPOV/INF/16 "Exchangeable Software"

60. The TWO noted that the Office of the Union had issued on April 14, 2020, Circular E-20/031 inviting the designated persons of the members of the Union in the TC to provide or update information regarding the use of the software included in document UPOV/INF/16.

Document UPOV/INF/22 "Software and equipment used by members of the Union"

61. The TWO noted that the Council, at its fifty-third ordinary session, held in Geneva, on November 1, 2019, had adopted document UPOV/INF/22/6 "Software and equipment used by members of the Union".

62. The TWO noted that the Office of the Union had issued on April 14, 2020, Circular E-20/031 inviting the designated persons of members of the Union in the TC to provide or update information in document UPOV/INF/22.

63. The TWO noted that the TC, at its fifty-sixth session, would be invited to consider whether to include any proposed software or equipment in document UPOV/INF/22 or whether to request further guidance from other relevant bodies.

Availability of documents UPOV/INF/16 "Exchangeable software" and UPOV/INF/22 "Software and equipment used by members of the Union" in a searchable form

64. The TWO noted that the information in documents UPOV/INF/16 and UPOV/INF/22 had been made available in a searchable format on the UPOV website.

(d) UPOV PRISMA

65. The TWO considered document TWP/4/3 and noted the developments concerning UPOV PRISMA.

66. The TWO noted that a generic technical questionnaire was available in UPOV PRISMA to be used when no UPOV Test Guidelines existed for particular ornamental crops and where the PVP Office did not have a specific technical questionnaire.

International cooperation in examination

67. The TWO considered document TWP/4/9.

Identification of contact persons for international cooperation in DUS examination

68. The TWO noted the list of persons to be contacted for matters concerning international cooperation in DUS examination, provided in document TWP/4/9, Annex I, and on the UPOV website.

69. The TWO noted that UPOV members would be invited to update information on a person(s) to be contacted for matters concerning international cooperation in DUS examination every year when invited to provide information for document TC/[xx]/4 "List of genera and species for which authorities have practical experience in the examination of distinctness, uniformity and stability".

70. The TWO noted the importance of regular updating of the list of contact persons for matters concerning international cooperation in DUS examination and agreed to propose more than one update per year and the use of the GENIE database to provide information.

Proposals to overcome technical concerns in relation to cooperation

71. The TWO noted that the TC, at its fifty-fifth session, had considered the outcomes of discussions held at the TWPs and the proposals to address the concerns raised, as set out in document TWP/4/9, Annex II.

72. The TWO noted the synthesis of concerns and proposals by the TWPs, as set out in document TWP/4/9, paragraph 19.

73. The TWO noted that the Office of the Union would prepare a coherent plan for consideration by the TC, at its fifty-sixth session, based on the proposals in document TWP/4/9, paragraph 20, to address the concerns raised by the TWPs and to propose how to assess the impact of the plan.

74. The TWO noted that the TC had agreed that TWP sessions should be used to develop cooperation among members to a greater extent.

Organization of work of the TWC and BMT

75. The TWO considered document TWP/4/12.

76. The TWO noted the draft terms of reference for a possible single body to encompass the work of the TWC and BMT.

77. The TWO agreed that the single body to encompass the work of the TWC and BMT should retain the possibility to have the participation of plant breeders, researchers and other relevant experts.

Experiences with new types and species

78. No new experiences with new types and species were reported.

Molecular techniques

79. The TWO considered document TWP/4/7.

Developments at the eighteenth session of the Working Group on Biochemical and Molecular Techniques, and DNA-Profiling in Particular

80. The TWO noted the papers presented at the eighteenth session of the BMT, held in 2019, as set out in document TWP/4/7, paragraph 12.

81. The TWO noted that the BMT would hold its nineteenth session in Alexandria, Virginia, United States of America, jointly with TWC, during the week of September 21, 2020.

82. The TWO noted the draft agenda for the BMT at its nineteenth session, to be held in 2020, as set out in document TWP/4/7, paragraph 14.

Revision of document UPOV/INF/17 "Guidelines for DNA-Profiling: Molecular Marker Selection and Database Construction ('BMT Guidelines')"

83. The TWO noted the proposal by the TWV for the BMT to develop guidance in document UPOV/INF/17 on elements to be included in a protocol of a DNA marker assay for a specific characteristic.

84. The TWO noted the changes agreed by the BMT to document UPOV/INF/17, as reproduced in document TWP/4/7, Annex II.

85. The TWO noted that the TC had agreed to invite the European Union, France and the Netherlands to prepare a new draft of document UPOV/INF/17 for consideration of the BMT, at its nineteenth session.

Cooperation between international organizations

Inventory on the use of molecular marker techniques, by crop

86. The TWO noted that the TC, at its fifty-fifth session, had agreed the elements for the inventory on the use of molecular marker techniques, by crop, as set out in document TWP/4/7, paragraph 40.

87. The TWO noted that a circular would be issued to request members of the Union to complete a survey as a basis to develop an inventory on the use of molecular marker techniques, by crop, in coordination with the OECD.

Lists of possible joint initiatives with OECD and ISTA in relation to molecular techniques

- 88. The TWO noted that that the TC, at its fifty-fifth session, had agreed:
 - (a) for joint OECD, UPOV, ISTA workshops to be repeated in future, as a possible joint initiative in relation to molecular techniques;
 - (b) to propose a joint initiative that each organization inform the others about use of molecular markers in their work; and
 - (c) that information from the survey on the techniques could help to clarify techniques that were considered to be biochemical or molecular.

Joint document explaining the principal features of the systems of OECD, UPOV and ISTA

89. The TWO noted that that the TC, at its fifty-fifth session, had agreed that relevant elements from the World Seed Partnership and the FAQ on the use of molecular techniques in the examination of DUS, would be a suitable basis for the Office of the Union to develop a draft of a joint document explaining the principal features of the systems of OECD, UPOV and ISTA, in consultation with OECD.

Session to facilitate cooperation in relation to the use of molecular techniques

90. The TWO noted that the TWPs and BMT, at their sessions in 2019, had formed discussion groups to allow participants to exchange information on their work on biochemical and molecular techniques and explore areas for cooperation.

91. The TWO noted the outcomes of discussions at the TWPs and BMT on facilitating cooperation in relation to the use of molecular techniques, as presented in document TWP/4/7, Annex IV.

Guidance for drafters of Test Guidelines

92. The TWO considered document TWP/4/8.

93. The TWO noted developments on the web-based TG template, reported in document TWP/4/8, paragraphs 15 to 23.

94. The TWO noted that the Office of the Union would issue a circular to identify requirements of UPOV members for the development of individual authorities' test guidelines using the web-based TG template.

95. The TWO noted that training on the web-based TG template via electronic means could be organized upon experts' request.

Matters to be resolved concerning Test Guidelines put forward for adoption by the Technical Committee: Coreopsis

#Chars. 1,	to add example varieties (see document TGP/7 (GN 28))
8, 17, 20,	provided by Leading; see Annex to document TWO/52/4
24, 27, 39,	TWO:
40, 41, 42	- agreed
	- Char. 17: PRO358 to read PRO538
#Chars. 6 to	According to Ad. 5, all varieties may have both types of leaves.
11 and 15 to 17	Clarification necessary whether all characteristics should be described for varieties with note 1, 2 and 3 in char. 5
	Leading Expert: To have an additional explanation in Chapter 8.1 labelled (c) to apply to Characteristics 6 to 11 and 15 to 17, to read:
	"Observations should only be made in relation to the predominant leaf type according to Characteristic 5. Where no predominance is observed for Characteristic 5, i.e. both simple and divided leaf type occur in similar amounts, observations should be made on both types of leaf." TWO agreed
Chars. 12	to be moved after char. 17
to 14	TWO agreed
Char. 24	TWO: to check German translation of all states of expression
Char. 30	"throughout" should be note 15 TWO agreed
Char. 32	to be moved before char. 30
	TWO: to keep it as it is as it follows standard order of characteristics
8.1 (d)	first 8.1(d) to be relabeled "(b)" (type-o) <i>TWO agreed</i>
8.1 (e)	to be replaced by the standard wording (see document TGP/14) <i>TWO agreed</i>
Ad. 5	to read "Some varieties have both types of leaves. The predominant leaf type should be assessed. The state" TWO agreed
Ad. 19	to be deleted (see VG) TWO agreed

96. The TWO considered document TWO/52/4 and agreed the following:

Ad. 29	Drawings to be improved. Main color should appear solid to prevent confusion with drawings for char. 30 and 32. <i>provided by Leading Expert (see document TWO/52/4) TWO agreed</i>
[#] Ad. 30	 to add explanation clarifying how secondary color can occupy more than 50% of surface (to check whether to read "If the secondary color is not solid, it may be distributed on more than half of the ray floret and the total area is still less than the main color.") Drawings to be improved. Secondary color should <u>not</u> appear solid for state 6 to 11 and 14 to prevent confusion with drawings for char. 30. Leading Expert: agreed with proposed wording for Ad. 30 and provided new illustrations (see document TWO/52/4) TWO agreed
#Ad. 33	 to check whether to read "If the tertiary color is not solid, it may be distributed in up to half of the ray floret and the total area is still less than the secondary color." Drawings to be improved. Secondary color should <u>not</u> appear solid for state 4 to 8 to prevent confusion with drawings for char. 30 and 32. Leading Expert: agreed with proposed wording for Ad. 33 and provided new illustrations (see document TWO/52/4) TWO agreed

97. The TWO noted that the proposals on the draft TG Coreopsis would be submitted to the TC-EDC for consideration at its meeting to be held on October 25 and 26, 2020, and the Test Guidelines re-submitted for adoption by the TC at its fifty-sixth session to be held on October 25 and 26, 2020.

Discussion on draft Test Guidelines

Anthurium (Anthurium Schott) (Revision)

98. The subgroup discussed document TG/86/6(proj.1), presented by Mr. Koji Nakanishi (Japan), and agreed the following:

2.3	to delete last sentence "In the case of seed,"
5.3	to add Char. 40 "Spadix: rolling"
Char. 5	- to read "Leaf blade: size of lobes"
	- to have states from (1) absent or very small to (9) very large
Char. 6	to have states (1) incurved but not touching, (2) free, (3) touching, (4) overlapping, (5) adpressed
Char. 8	to be combined with Char. 9 and to read "Leaf blade: shape of tip" (as Char. 8 in current adopted version)
Char. 9	to be deleted
Char. 11	to be deleted
Char. 12	to have notes 1 to 9
Char. 22	to check whether to have states "at base", "between base and middle", "at middle", to be
	indicated as QN and to add example varieties
Char. 23	- to read "Spathe: size of lobes"
	- to have states (1) absent or very small to (9) very large
Char. 24	to have states (1) incurved but not touching, (2) free, (3) touching, (4) overlapping, (5) adpressed
Char. 26	to be combined with Char. 27 and read "Spathe: shape of tip" (as Char. 23 in current adopted version)
Char. 27	to be deleted
Chars. 30, 32	state 3 to read "at apex"
Char. 34	to have notes 1 to 9
Char. 39	to have notes 1 to 9 and check example varieties
Char. 42	to check whether to have notes 1 to 9
Chars. to	to check whether to add the following characteristics from the current adopted version of
add after	the TG with the same states as Char. 45:
45	- Char. 38 "Spadix: main color of basal part shortly after dehiscence of anthers"
	- Char. 39 "Spadix: main color of distal part shortly after dehiscence of anthers"
8.1 (a)	to replace "longest" with "largest"

8.1 (a)	To check whether to read "Observations should be made on longest fully developed leaf"
TQ 1.	to add 1.3 for indication of species
TQ 5.	to add Char. 40 "Spadix: rolling"

Berberis (Berberis L.)

99. The subgroup discussed document TG/68/4(proj.3) Rev., presented by Ms. Stéphanie Christien (France), and agreed the following:

1.	to check whether to restrict coverage to applicable species rather than full genus (Mahonia not covered)
5.3	 to add Char. 16 with groups green, yellow, red to add Char. 17
Table of	- to add example varieties for PQ color characteristics
Chars.	- to update example varieties:
	current new
	Helmon Pillar Helmond Pillar
	Parkjuwell Parkujuweel
	Red Torch Redtorch Berval 7 Fireball
	Berval 1 Admiration
	Fire Flame Fireflame
	Berval 8 Orange Dream
	Berval 2 Tiny Gold
	Berval 3 Golden Rocket Grawley Gem Crawley Gem
	Grawley Gem Barborossa Barbarossa
Char. 2	- to check correlation of Chars. 2 and 5 (e. g. states "bushy" and "rounded" are not clear;
	Char. 5 uses growth habit illustrations)
	- to replace example varieties "Bokratin" with "STARBURST"
Char. 8	to replace example variety "Bokratin" with "Lombarts purple, Red Tears"
Char. 22	to read "Leaf: profile in cross section"
Char. 23	to remove from grouping characteristics and from the TQ
Char. 24	state 4 to read "panicle"
8.1 (b)	to read "Observations on young shoots and leaves should be made"
8.1 (d)	"Observations should be made on the <u>upper side</u> of fully expanded leaves"
8.1 (e)	to read "In cases, where the area of the main and secondary colors are too similar to
	reliably decide which color has the largest area, the darker color is considered to be the
	main color. The same classification"
Ads. 2, 5	to be updated according to changes to characteristics
TQ 1.	to add 1.3 for indicating the species
TQ 5.3	to display full scale

Calibrachoa (Calibrachoa Cerv.) (Partial revision: Chars. 16 to 20 and 28 and 29)

100. The subgroup discussed document TWO/52/5, presented by Mr. Kenji Numaguchi (Japan), and agreed the following:

Chars. 16	to update Chapters 5.3, 8.2 and TQ 5 accordingly
Char. 18	DE/EN translation of the name of the char to be reviewed as compared to the FR/ES translation
Char. 28	to delete (*)

Chrysanthemum (Chrysanthemum xmorifolium Ramat., C. pacificum Nakai)

101. The subgroup discussed document TWO/52/6, presented by Ms. Elizabeth Scott (United Kingdom), and agreed the following:

TQ 1	to correct numbering to 1.1, 1.2 and 1.3
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Echinacea (Echinacea Moench.) (Revision)

102. The subgroup discussed document TG/281/2(proj.1) Rev., presented by Ms. Hilary Papworth (United Kingdom), and agreed the following:

4.2.2.	to read " vegetatively and seed-propagated varieties"
4.2.3	to be checked (uniformity standard for seed-propagated varieties to be added)
Char. 4	to check whether to be deleted (covered by floriferousness and number of leaves)
Char. 9	to have states from "low" to "high"
Chars. 13, 14	to check whether to delete (*) from Chars. 13 and 14 or whether to delete chars.
Char. 14	state 2 to read "central"
Char. 18	to replace "heavily" by "strongly"
Char. 19	- to correct spelling of "pubescence"
	- to check whether to delete (*)
Chars. 21, 42 and 43	to have states from "short" to "tall"
Char. 33	- to correct spelling of "color"
	- to check whether to add (*)
Char. 35	to check whether to delete (*)
Char. 36	- to check whether to add example varieties for convex states
	- to check whether to add (*)
Char. 38	to add state 5 "very deep" with example variety "Secret Glow" and add illustration for this state to Ad. 38
Chars. 44, 45	to check whether to add as grouping chars. and to TQ
Char. 47	- to read "Disc: color of tip of paleae (spikes)"
	- to add more example varieties with anemone disc type
Char. 48	- add (+) to link to Ad. 47
	- add explanation that observation relates to color below tip with appropriate wording
Char. 52	- to add MS
Char. 57	to add state 5 "very deep" with example variety "Secret Glow" and add illustration for this state to Ad. 57
8.1	to add new explanation (e) with definitions of main and secondary color; (e) to be added to Chars. 31, 32 and 33
8.1 (a), (b), (c)	to replace "recorded" by "observed"
8.1 (d)	to read "All ray floret characteristics should be observed on ray florets of the predominant type."
Ad. 23	to add "The origin is the base of the ray floret at the point it emerges from the involucre."
Ad. 47	- to add explanation and illustration for state 1 "none"
	- to replace "recorded" by "observed"
	- to improve illustrations (better readability of text)
	- to be update with new wording of Char. 47
Ad. 56	- "short" to have note 3
	- to add that the relative length should be observed
TQ 1.	to add 1.3 for indication of species
TQ 5.7	to add color groups (see grouping characteristics 5.3)
TQ 7.3	to check if cultural type can be used as an appropriate grouping characteristic

*Eustoma (Eustoma grandiflorum (Raf.) Shinners L.)

103. The subgroup discussed document TG/197/2(proj.2), presented by Mr. Kiyofumi Nakamura (Japan), and agreed the following:

Cover page,	to update botanical name to read to read Eustoma exaltatum (L.) Salisb. ex G. Don
1., TQ 1	subsp. <i>russellianum</i> (Hook.) Kartesz
Cover page	to add Spanish common name "Lisiantus"
3.3.2	to correct font size

TWO/52/11

page 13

4.1.4	 for vegetatively propagated varieties to read "all observations on single plants should be made on 10 plants or parts taken from each of 10 plants" for seed-propagated varieties to read "all observations on single plants should be
	made on 20 plants or parts taken from each of 20 plants"
4.2.2	to read "These Test Guidelines have been developed for the examination of vegetatively propagated and seed-propagated varieties"
4.2.3	to read "For self-pollinated varieties, 2 off types would be allowed in 40 plants when having a population standard of 2% and acceptance probability of at least 95%."
Table of	to add example varieties
Chars.	
Char. 2	to read "Plant: number of primary branches"
Char. 3	- to read "Plant: position of primary branches"
	 to add state of expression: (1) none (this applies for single-stemmed varieties) to have states (1) none, (2) upper part only, (3) upper and middle part, (4) throughout
Char. 5	to be deleted
Chars. 11, 12	example varieties for other states of expression to be added
Char. 13	- to be indicated as QL
	- to have states (1) absent, (9) present
Char. 14	 example varieties for other states of expression to be added
	- to correct spelling of "Flower"
Char. 16	- to correct spelling of "Flower"
<u> </u>	- state 1 to read "circular"
Char. 17	to read "Flower: width"
Char. 18	example varieties for other states of expression to be added
Char. 19	- example varieties for other states of expression to be added
	- to correct spelling of "height"
<u> </u>	- to have states from "low" to "high" (ratio)
Char. 20	- to be placed after Char. 15.
01 01	- to read "Only varieties with Flower: type: double:"
Char. 21	- to be placed after Char. 23
Char 04	- state 4 to read "obtriangular"
Char. 24 Char. 25	to change the order of the states: acute (1), rounded (2), flat (3), retuse (4).
Char. 25	 to read "Petal: reflexing of margin" state 1 to read "absent or very weak"
	- to add state 5 "very strong"
Char. 27	- state 1 to read "absent or shallow"
	- state 3 to read "deep"
Char. 28, 29, 32	to delete "(exclude part of base)" and move it as an explanation to Chapter 8.2
Char. 30	- to read "Petal: distribution of secondary color of inner side"
	- state 1 to read "at tip"
	- to add new state 1 "none"
Char. 31	to have states (1) solid, (2) flush, (3) narrow bar, (4) broad bar, (5) irregular
Char. 32	to read "Petal: tertiary color"
Char. 33	- to read "Petal: distribution of tertiary color of inner side"
	- state 1 to read "at tip"
	- to add new state 1 "none"
Char. 34	to have states (1) solid, (2) flush, (3) narrow bar, (4) broad bar, (5) irregular
Char. 36	- to order characteristics in following sequence: primary, secondary, tertiary color and
	then color of base (either to start or to end with color of base)
	- to present all inner side characteristics and then all outer side characteristics
Char. 38	- to check whether to add example varieties
	- to delete (*)
	- to add to heading "Only seed-propagated varieties: Time"
	- to delete from grouping characteristics 5.3 (h) and Technical questionnaire
8.1	to add general explanation covering all characteristics "Unless otherwise indicated, all
	observations should be made at the time of full flowering."
8.1 (a)	to read "Observations should be made on the upper side of fully developed leaves from the middle third of a stem."
8.1 (b)	to read "outermost whorl."

8.1 (c)	to read "The main color is the color with the largest area excluding the color at base. The secondary color is the color with the second largest area excluding the color at base. The third color is the color with the third largest area excluding the color at base. In cases where the areas of the main, secondary and third color are too similar to decide which color has the larger area, the darker color is considered to be the main color."
Ad. 1	- "height of plant" to read "height" - "main stem" to read "stem"
Ad. 4	to be deleted
Ad. 5	to be deleted
Ad. 8	to add illustrations
Ad. 13	to be deleted
Ad. 15	to add "Single varieties have only five petals."
Ad. 19	to add another illustrations
Ad. 21	to add illustration for state 1
Ad. 28, 29, 32	to add "exclude part of base"
Ad. 30	to add new state 1 "none"
Ad. 31	to be replaced by photos (or drawings) of plants
Ad. 38	to add explanation to define "beginning of flowering"
TQ 1.	to add "1.3 Interspecific hybrid (please provide details)"
TQ 4.2.1	Should read (a) Self-pollination (b) Cross-pollination (c) F1-hybrid, (d) other (please provide details)
TQ 5.1, 5.3	to show the full scale
TQ 5.4, 5.5	to add color groups as in 5.3 (grouping characteristics)
TQ 6.	to add space between Plant: and height

*Hydrangea (Hydrangea L.)

104. The subgroup discussed document TG/133/5(proj.4) Rev., presented by Ms. Stéphanie Christien (France), and agreed the following:

		to be deleted		
to add "Sterile flower: diameter of calyx" (characteristic 33)				
- second sentence to read "The example varieties given in the Table of Characteristics				
•				
- to correct italics in	n botanical names			
- to replace Hydrar	ngea anomala D. Don su	ubsp. petiolaris (Siebold &	Zucc.) E. M.	
to update example	varieties:	•		
current	new	current	new	
Saxabrose	Saxtabrose	SICAMUS 2934 RV	SICAMU2934	
NCHA 8	NCHA8	Dancing Snow	Wedding Gown	
H 214903	HBA 2014903	Hope 2069	HOPE2069	
-	-		Veitchii	
			HBADU	
			YOUMEFIVE	
			H213905	
			SICAMU4533	
			Heinrich Seidel	
			HBAROYALC	
			MAK 20 Departie	
		HP 524	Rendia	
	- second sentence belong to the spec - to correct italics in - to replace <i>Hydrar</i> McClint. by <i>Hydra</i> to add (a)-(d) for in to update example <i>current</i> Saxabrose NCHA 8 H 214903 NCHA 7 11 005 51 NCHA 3 H 215908 Early Sensation NCHA 4 Wim Red H 213 H 213902 Halla San to read "Only varie to replace example to have states (1) a (5) many to read "Only varie remove "Expression to read "Leaf blade	 second sentence to read "The example belong to the species indicated below:" to correct italics in botanical names to replace <i>Hydrangea anomala</i> D. Don su McClint. by <i>Hydrangea petiolaris</i> Siebold a to add (a)-(d) for indication of species for e to update example varieties: current new Saxabrose NCHA 8 NCHA8 H 214903 HBA 2014903 NCHA 7 NCHA7 11 005 51 Hortmasnodo NCHA 3 NCHA3 H 215908 HBA 215908 Early Sensation Bulk NCHA 4 NCHA4 Wim Red Wims Red H 213 H213 H 213902 H213902 Halla San Hallasan to replace example variety "Dharuma" by " to have states (1) absent or few, (2) few to (5) many to read "Only varieties with Leaf blade: lob remove "Expression" and replace it by "Me to read "Leaf blade: rugosity" 	 second sentence to read "The example varieties given in the Tab belong to the species indicated below:" to correct italics in botanical names to replace <i>Hydrangea anomala</i> D. Don subsp. <i>petiolaris</i> (Siebold & McClint. by <i>Hydrangea petiolaris</i> Siebold & Zucc. to add (a)-(d) for indication of species for example varieties (see 6.4) to update example varieties: <i>current</i> new current saxabrose Saxabrose Saxtabrose Saxtabrose SICAMUS 2934 RV NCHA 8 NCHA8 Dancing Snow H 214903 HBA 2014903 Hope 2069 NCHA 7 NCHA7 Vetchie 11 005 51 Hortmasnodo Hbadu NCHA 3 NCHA3 NCHA3 NCHA4 HBA 215908 H 213905 Early Sensation Bulk SICAMUS 4533 NCHA 4 NCHA4 Heinrich Siedel Wim Red Wims Red Hbaroyalc H 213 Halasan to read "Only varieties with Plant: type: non-climbing:" to read "Only varieties with Leaf blade: lobing: absent:" 	

Char. 30	to read "Only varieties with Inflorescence: conspicuousness of fertile flowers: medium or
Char. 31	strong:"
Char. 31	- to read "Only varieties with Inflorescence: conspicuousness of fertile flowers: absent or
	weak:" - to have states (1) sparse, (2) sparse to medium, (3) medium, (4) medium to dense,
Char. 32	(5) dense to be deleted
Char. 33	to add (*)
Char. 36	state 3 to read "emarginate"
Char. 37	to read "Sterile flower: rugosity of sepals"
Char. 38	
	state 3 to read "Strongly concave"
Char. 39	to read "Only varieties with Sterile flower: number of sepals: 3 or 4 to 4 or 5: overlapping
Char. 45	of sepals"
Char. 45	to have states (1) marginal zone, (2) distal margin, (3) in upper half, (4) in lower half,
Ohan 40	(5) throughout
Char. 46	- to read "of inner side of sepal"
Char. 47	to read
	"Only varieties with Fertile flower: conspiciousness: medium and strong: Fertile flower:
01	color of petals"
Char. 48	- to add (*)
	- to read "Only varieties with Inflorescence: shape: conical: Inflorescence: pink or red
0.4	color at aging"
8.1	to invert order of (c) and (d) to have alphabetical order in table of characteristic
Ad. 31	to use new illustrations as agreed during TWO
Ad. 37	to be deleted
Ad. 39	sentence to read "For varieties with double sterile flowers observations should be made
	on the outermost row of sepals."
Ad. 45	to provide illustration for new state 4 "in lower half"
Ad. 48	to delete sentence
TQ 1	to have three rows: 1.1 Botanical name, 1.2 Common name, 1.3 Species (please
TQ 5	indicate)" to explain the meaning of (a), (b), (e),
TQ 5.12	- to delete "Gr" from each note before color name
10/0.12	
	- to add note 7 "other (please indicate)"

*Lagerstroemia (Lagerstroemia L.) (Revision)

105. The subgroup discussed document TG/95/4(proj.3), presented by Ms. Stéphanie Christien (France), and agreed the following:

3.1.1	to read " two gro	to read " two growing cycles."		
Table of	to update example	varieties:		
chars.	current Dablage 01 Water Melon Dynamite Petite Canaille Blanc Kimono Fushia d'été Milaperl Périgord Pourpre Burgundi Cotton Braise d'été Red Rocket Camaïeu d'été Mystic Magenta	new DABLAGE01 Watermelon Whit II Petit' Canaille Blanc Deskim INDYFUS MILAPERL Desper Burgundy Cotton INDYBRA Whit IV INDYCAM CAP11	current Yand Tse Super Violac Desha Violet d'été Petite Canaille Rouge Petit Orchid Magestic Orchid Berlingo Menthe Enduring summer white Milavio Ruffled Red Magic Purely purple Milarosa	new Desyan Superviolacea Descha INDYVIO Petit' Canaille Rouge Petite Orchid Majestic Orchid Berlingot Menthe Enduring Summer White MILAVIO Piilag VII CAP18 MILAROSA
Char. 3	to add explanation just before flowerin		should be made on the m	hiddle third of the stem,
Char. 7	state "entire" to rea	state "entire" to read "throughout"		
Char. 8	to have states from	to have states from (1) absent or very weak to (9) very strong		
Char. 9	to replace current e	to replace current example variety for state 1 with CAP18		

Char. 12	- to move (excluding anthocyanin coloration) to 8.2
	- to add asterisk
	- to have the following states and example varieties
	(1) absent (Whit II)
	(2) white and grey green (Shirohakekomifu)
	(3) yellow (Kibotafu)
Char. 13	to be deleted
Char. 18	state 1 to read "absent or small"
Char. 24	to remove "Petite Canaille" and replace it by "Petit' Canaille Rouge"
Char. 25	to read "Petal claw: length"
Char. 26	to read "Petal claw: color"
Char. 30	- to be indicated as QL
	- to have state (1) inconspicuous with example varieties "Red Imperator, Rocamadour"
01	- to have state (9) conspicuous with example varieties "Desber 102, Grand Cru"
Char. 31	to read "Plant: number of fruits"
Char. 32	- to read "Fruit: ratio length /diameter" - to be indicate as QN
	- to have the following states, notes and example varieties:
	(1) low (Burgundy Cotton, Whit IV)
	(2) medium
	(3) high (Desper, Petit Canaille Blanc)
	- to be moved after Char. 34
Char. 33	to replace example variety "Camaïeu D'Eté" by "INDYCAM"
Char. 35	- to check whether to read " of green color"
	- to have states from (1) very weak to (9) very strong
	- to add explanation "not possible to be observed when fully covered by anthocyanin ove
	color"
Char. 37	- to read "Time of vegetative bud burst"
	- to replace example variety "Pure red" by "Deskim"
8.1	to read
	(a) Observations should be made just before flowering.
	(b) Observations should be made on fully expanded leaves from the middle third of the
	stem.
	(c) Observations should be made on the broadest flower bud from the top of the primary
	thyrse, just before opening of the flower bud.
	(d) Observations should be made on fully developed thyrse when all flowers are open.
	(e) Observations should be made on just opened flower.
	(f) Observation should be made on well-developed fruit, from the top of the primary thyrse, at maturity.
	(g) The main color is the color with the largest surface area. The secondary color is the
	color with the second largest surface area. The tertiary color is the color with the third
	largest surface area. In cases where the areas of the main and secondary color are too
	similar to reliably decide which color has the largest area, the darkest color is considered
	to be the main color. In cases where the areas of the secondary color and tertiary color
	are too similar to reliably decide which color has the largest area, the darkest color is
	considered to be the secondary color.
Ad. 12	to delete last sentence
Ad. 13	to be deleted
Ad. 30	to be updated according to changes to Char. 30 (inconspicuous first)
Ad. 32	to correct spelling of "elliptic"
Ad. 37	to check whether to read "The time of vegetative bud burst is reached when the first leaves
	appear on all plants."
Ad. 38	to check whether to read "flowering is reached when all plants"
Au. 50	to onook whother to roadioworking to roadhoa whom all planto

Magnolia (Magnolia L.)

106. The subgroup discussed document TG/MAGNO(proj.1), presented by Ms. Wang Yaling (China), and agreed the following:

2.3	minimum quantity of plant material to be supplied to be reduced to 6 plants		
3.1.1	minimum number of growing cycles to be one growing cycle		
3.1.2	to be deleted		
4.1.4	number of plants or parts of plants to be reduced to 5		
4.2.3	to be deleted		
6.4	- table header to read "Botanical name of example variety"		
••••	- to remove names of example varieties from first column		
	- "Michelia figo" to read "Magnolia figo"		
	- to indicate all species including crossings (e.g. Magnolia "Hong Jixing")		
Table of	- to review notes for QN characters to follow standard pattern (see document TGP/7)		
Chars.	- Chars. 6, 8, 12, 14, 17, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36		
	37, 38, 39, 41, 42, 43, 44, 45, 46, 47: to delete VS		
	- to add a new characteristic "Spathe: pubescence" with states (1) absent or weak, (2)		
	medium, (3) strong		
Char. 1	to read "Plant: type"		
Char. 2	- to read "Plant: form"		
	- to have states (1) tree and (2) shrub		
Char. 4	- to add explanation that to be observed at first flowering		
	- to have notes 1 to 9		
Ohan 5	- to delete (a)		
Char. 5 Char. 6	state 3 to read "sparse"		
	to read "Plant: position of flower buds"		
Chars. 6, 7 Char. 8	to be placed after Char. 22 - to read "One-year-old branch: color of shoot"		
Char. o	- to have states (1) green, (2) yellow green, (3) yellow, (4) brown purple, (5) brown, (6)		
	yellow brown		
Char. 9	- to read "Leaf: arrangement" with states (1) whorled, (2) alternate		
Char. 12	- to be indicated as QN		
	- to have states (1) absent or sparse, (2) medium, (3) dense		
Char. 13	- to have states (1) very short to (9) very long		
	- to add characteristics "Leaf: width" and "Leaf: length/width ratio"		
Char. 14	to have states "ovate", "circular", "elliptic", "obovate"		
Chars. 15, 16	- to be moved after Char. 21		
	- to be combined to read "Leaf blade: variegation"		
	- to have states (1) absent, (2) white, (3) yellow		
	- to be indicated as QL		
Char. 17	- to check whether to split in two characteristics for thickness (thin, medium, thick) and		
	texture (papery/leathery)		
	- to add explanation that leathery leaves have waxiness on surface of the leaves		
Char. 18	to add state (5) very strong		
Char. 20	to delete states "retuse" and "emarginate"		
Char. 24	to have states from (1) very small to (9) very large		
New Char.	- to add a new characteristics "Flower: height" after Char. 24		
after 24	- to add explanation that to be observed shortly after opening		
Char. 26	to have states from (1) very few to (9) very many		
Char. 27	- to read "First whorl of tepals: presence of petaloid tepals		
Char 29	- state "present" to have note 9		
Char. 28 Char. 29	to check whether to be indicated as PQ		
Gnal. 29	- to have notes 3, 5, 7		
Chars. 30,	- to be placed before char 28 to remove the second space between "whorl" and "petaloid"		
33, 34, 35,	to remove the second space between whom and petalolo		
36, 37 39, 40,			
41, 43, 44, 46			
Char. 31	to be deleted and describe primary, secondary and tertiary color		

Char. 34	 to have states (1) flush, (2) narrow linear, (3) broad linear, (4) spotted to remove the second space between "central" and "narrow" at note 2 		
New Char.	- to add a new char. after Char. 39 to read "First whorl petaloid tepals: tertiary color"		
after 39	- to be indicated as PQ and VG		
	- to have states (1) green, (2) yellow, (3) red, (4) orange		
Chars. 40, 41	to be moved after Char 29		
New Char.	- to add a new Char. 40 to read "First whorl petaloid tepals: width"		
after 40	- to be indicated as QN and MG		
	- to have notes from (1) very narrow to (9) very broad		
Char. 45	to have states (1) flush, (2) narrow linear, (3) broad linear, (4) spotted		
Char. 49	- to read "Plant: fruit formation"		
	- to have states (1) absent, (2) few, (3) medium, (4) many (5) very many		
Char. 50	- to read "Time of beginning of vegetative bud burst in relation to flowering"		
	- to be indicated as QN		
Char. 51	- to read "Time of beginning of first flowering"		
	- to have states from (1) very early to (9) very late		
Char. 52	to add explanation		
Char. 54	to check whether to add explanation		
Char. 55	- to read "Time of beginning of leaf fall"		
	- to add explanation that this characteristic does not apply to evergreen varieties		
8.1	to reorder labels to appear in alphabetical order in the table of chars. (currently (c) before (b))		
8.1 (f)	to correct formatting and use standard wording for color definition (see document TGP/14)		
Ad. 19	to add wording of states		
Ad. 27	to be improved		
Ad. 30	- to remove the small line under "reflexed"		
	- to be improved (clarify difference between states 4, 5, 6)		
Ad. 34	remove the second space between "whorl" and "petaloid"		
Ad. 34	to be updated		
TQ 1.	add "1.3 Species (please specify)"		
TQ 4.2	to be completed		
TQ 5.	- to add intermediate notes to display full scale		
	- to be aligned with grouping char.		
	- 5.25, 5.26, 5.29, 5.30, 5.36, 5.37: to add color groups		
	- to add (*) for TQ chars. in the Table of Characteristics		
	- to check whether to reduce number of TQ characteristics		
TQ 6.	to add example (e.g. QN characteristic)		

*Ranunculus (Ranunculus L.)

107. The subgroup discussed document TG/RANUN(proj.3) Rev., presented by Mr. Satoshi Fujisako (Japan), and agreed the following:

2.2	to delete "or seed"
2.3	to delete material required for seed-propagated varieties and last paragraph
3.4.1	to read "Each test should be designed to result in a total of at least 15 plants."
3.4.2	to be deleted
4.1.4	 first paragraph to read "Unless otherwise indicated, for the purposes of distinctness, all observations on single plants should be made on 10 plants or parts taken from each of 10 plants and any other observation made on all plants in the test, disregarding any off-type plants." to delete second paragraph
4.2.2	first sentence to read "These Test Guidelines have been developed for the examination of vegetatively propagated varieties."
4.2.4	to be deleted
5.3 (d)	to delete from grouping characteristics
5.3 (g), (h), (j), (l), (m), (n)	to change order of groups to white, green, yellow, orange

5.3 (h), (j),	to add "Group 1: absent"		
(m), (n)			
5.3 (i)	to delete color groups		
5.3 (k)	to delete from grouping characteristics		
Table of	to update example varieties		
Chars.	RAX EUROPE Rax Europe		
	RAX PHYTALOS Rax Phytalos M WHITE M White		
	RAX HADES Rax Hades		
Char. 10	to be indicated as QN		
Char. 12	- to replace example variety "Abumbreon" with "Ablackest"		
	- to be moved after Char. 14		
Char. 21	to delete (c) and (d)		
Chars. 25 to	to add (a), (b) and (c)		
35			
Chars. 25,	to have states (1) solid, (2) flushed, (3) striped, (4) irregular		
28, 32, 35			
Char. 27	to have same states as in Char. 24		
Char. 36	- state 1 to read "absent or weak"		
	- to be indicated as QN		
8.1 (a)	to read "Observations on the flower should be made on a fully opened flower"		
Ad. 12	- to read "when flower bud is fully formed."		
	- to delete illustrations		
Ad. 14	- to delete references to "flowering stem length" and "terminal flower"		
	- to become Ad. 13		
Ad. 15	to start with capital letters after 1., 2. and 3.		
Ad. 24	to use updated illustration as agreed during TWO		
Ad. 25	to use updated illustration as agreed during TWO		
Ads. 39, 40	to be deleted		
TQ 4.2.1	to be deleted		
TQ 4.2.2	to delete "Tuber" and have (a) corms, (b) In vitro propagation, (c) Other		
TQ 5.1, 5.6	to indicate full scale		
TQ 5	5.8, 5.10, 5.12, 5.13: to add note 1 "absent"		

Statice (Limonium Mill., Goniolimon Boiss. and Psylliostachys (Jaub. & Spach) Nevski) (Revision)

108. The subgroup discussed document TG/168/4(proj.1), presented by Mr. Marco Hoffman (Netherlands), and agreed the following:

2.3	minimum quantity of plant material to be supplied by the applicant to be 20 plants
5.3 (c)	to add color groups "yellow", "red, "violet"
5.3 (d)	to add color groups "yellow", "violet"
Chars. 1, 2, 3, 4	to check whether to add MS
Char. 12	to be deleted
Chars. 15, 16, 18, 20	to check whether to add MS
Char. 21	 to check whether to change wording of states of expression to add example varieties for states 3 and 6
Chars. 25, 26	to check whether to add MS
Char. 27	 to read "Calyx: shape" to check whether to be combined with Char. 28 (to check correlation between shape and type)
Char. 28	 to check whether to read "Calyx: type" to check whether this relates to flower instead of calyx
Char. 30	to have colors as states of expression instead of reference to RHS Colour Chart
Char. 31	 to check whether to add MS to reduce scale to have notes 1 to 5 to check whether to read "Corolla: length in relation to calyx length" to be restricted to single type varieties

Char. 32	to check whether to add MS
Char. 34	 to check whether to be deleted state 1 to read "absent or weak"
Char. 38	to add explanation that time of beginning of flowering is reached when 30% of inflorescences are in flower
Ad. 36	to read " (assessed under a microscope)."
TQ 1.	to add 1.3 for indication of species
TQ 5.1	full scale to be given
TQ 5.4, 5.5	to add color groups (as in grouping characteristics in Chapter 5.3)

*Zinnia (Zinnia elegans Jacq.; Zinnia haageana Regel; Zinnia peruviana (L.) L.; Zinnia angustifolia Kunth)

109. The subgroup discussed document TG/ZINNIA(proj.7), presented by Mr. Jose Mejía Muñoz (Mexico), and agreed the following:

Cover page	to add Zinnia ×marylandica D. M. Spooner et al.
1.1	- to add Zinnia xmarylandica D. M. Spooner et al.
	- to delete "and their hybrids" add as 1.2 "Guidance on the use of Test Guidelines for
	interspecific hybrids that are not explicitly covered by Test Guidelines is provided in
	document TGP/13 "Guidance for New Types and Species".
2.3	- to read "The minimum quantity of plant material, to be supplied by the applicant,
	should be: The seed should be sufficient to produce a minimum of 15 plants for F1
	hybrids and a minimum of 40 plants for cross-pollinated varieties."
	- to delete last paragraph
3.4.1	to read "Each test should be designed to result in a total of at least 15 plants for F1
	hybrids, and 40 plants for cross-pollinated varieties."
4.1.4	to read "Unless otherwise indicated, for the purposes of distinctness all observations
	on single plants should be made on 10 plants for F1 hybrids and at least 20 for cross-
	pollinated varieties or parts taken from each plant and any other observations made
	on all plants in the test, disregarding any off-type plants."
4.2.3	to read: "The assessment of uniformity of cross-pollinated varieties"
4.2.4	to read "For the assessment of uniformity of F1 hybrid varieties, a population
	standard of 1 % and an acceptance probability of at least 95 % should be applied. In
	the case of a sample size of 15 plants, 1 off-type is allowed."
5.3	- to add char. 14: "Flower head: type"
	- to have same characteristics as in TQ 5
Table of	- to review example varieties (some refer to names of series of varieties, not to
chars.	individual varieties e.g. Lilliput, Short Stuff, Swizzle etc.)
	- to add (+) to characteristics having an explanation in Chapter 8.2
Chars. 1, 2, 5	to change order: 1. Plant: growth habit, 2. Plant: height, 3. Plant: branching
Char. 1	- to read "Plant: density of branches"
	- to have states from "absent or very sparse" to "very dense"
	- to check example variety "Peppermint" (is it the same as "Peppermint stick"?)
Char. 3	state 1 to read "absent or sparse"
Char. 4	- state 1 to read "absent or very weak"
	- to read "Stem: anthocyanin coloration" and add explanation "to be observed on
	middle third of stem"
	- to check example variety Dreamland (it's a series of varieties)
Char. 5	- to be moved (see comment on Char. 1)
	- to add explanation that observations should be made at time
	- to check whether to add example variety for state 3: "Profusion Red"
	- to add MS
Char. 13	- to read "Leaf: area of anthocyanin coloration at base"
	- to have states "absent or small", "medium", "large"
New Char.	to add a new char. "Flower head: position in relation to foliage" after Char. 13
after 13	with states (1) below foliage, (2) same level as foliage, (3) moderately above foliage,
	(4) high above foliage

Char. 14	to check whether to add example varieties:
	state 1: "Crystal Yellow"
	state 2: "Profusion Red"
	state 3: "Swizzle Scarlet Yellow"
Char. 15	to check whether to add example variety for state 3: "Crystal Yellow"
Char. 16	 to read "Peduncle: length" and move after Char. 13 to add (*)
Char. 17	- to check whether to split this char. and have different chars. for different flower types
	- to check whether to add example varieties: state 1: "Star" and "Crystal Yellow"
	state 3: Profusion Red
	state 5: Zowie Yellow Flame state 7: Uproar Rose
	state 9: Swizzle Scarlet Yellow - to add explanation "See Ad. 14"
Char. 21	- to read "Ray floret: profile in cross section" and add explanation "observations
	should be made at mid-point of ray floret" - to add example varieties
Char. 22	- state 3 to read "recurving"
	- to read "Ray floret: curvature of longitudinal axis"
Char. 26	- to be moved after char. 24
Char. 27, 30,	- to add new states "pointed" and (dentate) to delete "(if present)"
33	
Char. 28	to add states and example varieties
	- distal half: "Zowie Yellow Flame"
	- basal half: "Profusion Cherry Bicolor" - basal quarter: "Zahara Rose Starlight"
Char. 29	to add explanation/drawings
Char. 31	- have the same states of expression as Char. 28
Onar. Or	- to correct spelling of throughout
	- to add example varieties
	- to have same illustration as for Char. 28
New Char	to add a new char. after Char. 32: "Only varieties with Flower head: type: single or
after 32	semi-double: Disc: diameter"
	to have states (1) very small to (5) very large
	example varieties:
	- state 1: "Profusion Red"
	- state 3: "Dreamland"
Char. 33	 - to have explanation that observations should be made before anther dehiscence - to delete "(if present)"
Char. 55	- to move "before dehiscence" to an explanation in Chapter 8.2
	- to read " <u>Only varieties with Flower head: type: single or semi-double</u> : Disc: color"
	- to have the following states and example varieties (and more colors, if needed)
	(1) yellow green: "Profussion Lemon"
	(2) yellow: "Crystal Yellow"
	(3) orange: "Crystal Orange"
	(4) brown: "Profusion Fire, Zahara Rose Starlight"
8.1	to add explanation covering all characteristics to read "Unless otherwise indicated,
8.1 (a)	observations should be made at the time of full flowering" to read "Observations on the leaf should be made on the upper side of a typical leaf
0.1 (a)	from the middle third of the stem."
8.1 (b)	to be deleted
8.1 (c)	to read "Observations on the ray floret should be made on the inner side. For
(-)	varieties with semi-double and double flower heads, observations should be made
	on the outermost whorl of ray florets."
8.1 (d)	to use standard definition for colors (see e.g. draft of Ranunculus)
Ad. 2	to add illustration for state 3
Ad. 26	to improve drawings (see e.g. TG Chrysanthemum)
Ad. 28	to be improved/updated
Ad. 31	to be improved (see Ad. 28)

TQ 4.2.1	(c) to read "F1-hybrid"
TQ 5.	to be coherent with grouping characteristics
TQ 5.2	All 9 notes should be indicated

Recommendations on draft Test Guidelines

(a) Test Guidelines to be put forward for adoption by the Technical Committee

110. The TWO agreed that the following draft Test Guidelines should be submitted to the TC for adoption at its fifty-sixth session, to be held in Geneva on October 26 and 27, 2020, on the basis of the following documents and the comments in this report:

Subject	Basic document(s) (2020)
Calibrachoa (<i>Calibrachoa</i> Cerv.) (Partial revision: Chars. 16 to 20 and 28 and 29)	TG/207/2 and TWO/52/5
Chrysanthemum (<i>Chrysanthemum</i> × <i>morifolium</i> Ramat., <i>C. pacificum</i> Nakai) (Partial revision: coverage of the Test Guidelines)	TG/26/5 Corr. 2 and TWO/52/6
*Coreopsis (<i>Coreopsi</i> s L.)	TG/COREO(proj.3), TWO/52/4
*Hydrangea (<i>Hydrangea</i> L.) (Revision)	TG/133/5(proj.4) Rev.
*Lagerstroemia (Lagerstroemia L.) (Revision)	TG/95/4(proj.3)
*Ranunculus (<i>Ranunculus</i> L.)	TG/RANUN(proj.3) Rev.

(b) Test Guidelines to be discussed at the fifty-third session

111. The TWO agreed to discuss the following draft Test Guidelines at its fifty-third session:

Subject	Basic document(s) (2020)
Amaryllis (Hippeastrum Herb.) (Revision)	TG/181/3
Anthurium (Anthurium Schott) (Revision)	TG/86/6(proj.1)
*Berberis (<i>Berberis</i> L.) (Revision)	TG/68/4(proj.3) Rev.
*Echinacea (<i>Echinacea</i> Moench.) (Revision)	TG/281/2(proj.1) Rev.
*Eustoma (<i>Eustoma grandiflorum</i> (Raf.) Shinners) (Revision)	TG/197/2(proj.2)
Lavender (Lavandula L.) (Revision)	TG/194/1 Rev.
Ling, Scots Heather (Calluna vulgaris (L.) Hull) (Revision)	TG/94/6 Corr.
Magnolia (<i>Magnolia</i> L.)	TG/MAGNO(proj.1)
Oxypetalum coeruleum (D. Don) Decne.	New
Statice (<i>Limonium</i> Mill., <i>Goniolimon</i> Boiss. and <i>Psylliostachys</i> (Jaub. & Spach) Nevski) (Revision)	TG/168/4(proj.1)
Weigela (<i>Weigela</i> Thunb.) (Revision)	TG/148/2
*Zinnia (<i>Zinnia elegans</i> Jacq.; <i>Zinnia haageana</i> Regel; <i>Zinnia peruviana</i> (L.) L.; <i>Zinnia angustifolia</i> Kunth)	TG/ZINNIA(proj.8)

112. The leading experts, interested experts and timetables for the development of the Test Guidelines are set out in Annex IV to this report.

(c) Possible Test Guidelines to be discussed in 2022

113. The TWO agreed that it should consider the development of Test Guidelines for the following at a future session:

China-rose (Hibiscus rosa-sinensis L.)
Eucalyptus (Eucalyptus L'Hér.) (Partial revision)
Leucanthemum Mill.
Paphiopedilum (<i>Paphiopedilum</i> Pfitzer)
Poinsettia (Euphorbia pulcherrima Willd. ex Klotzsch) (Revision)
Pot Azalea (Rhododendron simsii Planch.) (Revision)

(d) Participation in discussions of Test Guidelines from other TWPs

114. The TWO agreed to propose that the following experts be added as interested experts to the following draft Test Guidelines being discussed by the Technical Working Party for Fruit Crops (TWF), subject to the deadlines agreed in document TWF/50/13 "Report", Annex VII:

Subject	Interested experts (countries/organizations) ¹
Hazelnut (Corylus americana Marshall) (Revision)	HU
Mulberry (<i>Morus</i> L.)	HU

Chairperson

115. The TWO agreed to propose to the TC that it recommend to the Council to elect Ms. Ashley Balchin (Canada), as the next chairperson of the TWO.

116. The TWO thanked Mr. Henk de Greef for his chairmanship of the TWO from 2018 to 2020 and noted that he was awarded a UPOV bronze medal in recognition of his outstanding contribution.

Date and place of the next session

117. At the invitation of the Netherlands, the TWO agreed to hold its fifty-third session in Roelofarendsveen, Netherlands, from June 7 to 11, 2021.

Future program

118. The TWO agreed to discuss the following items at its next session:

- 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 (written reports to be prepared by members and observers)
 - (b) Reports on developments within UPOV (document to be prepared by the Office of the Union)
- 4. TGP documents (documents to be prepared by the Office of the Union)

¹ for name of experts, see list of participants

- 5. Information and databases
 - (a) UPOV information databases (document to be prepared by the Office of the Union)
 - (b) Variety description databases (document to be prepared by the Office of the Union and documents invited)
 - (c) Exchange and use of software and equipment (document to be prepared by the Office of the Union)
 - (d) UPOV PRISMA (document to be prepared by the Office of the Union)
- 6. Molecular techniques (document to be prepared by the Office of the Union)
- 7. New issues arising for DUS examination (documents invited)
- 8 Minimum distances between vegetatively propagated ornamental varieties (documents invited)
- 9. Assessing ornamental crops using individual plant measurements (MS) (document to be provided by Germany, New Zealand and the United Kingdom and documents invited)
- 10. Disease resistance in ornamental crops (document to be prepared by the Netherlands)
- 11. Example varieties for asterisked quantitative characteristics when illustrations are provided (document to be prepared by Germany and the United Kingdom)
- 12. Possible developments to enable UPOV Codes to provide information on variety groups (document to be prepared by the European Union)
- 13. Procedures for grouping varieties using UPOV codes and relevant information sources (document to be prepared by the Netherlands)
- 14. Providing information on similar varieties in the UPOV model variety description (document to be prepared by the European Union)
- 15. Variety denominations (document to be prepared by the Office of the Union)
- 16. Report on court cases dealing with technical matters (document invited)
- 17. Experiences with new types and species (oral reports invited)
- 18. Guidance for drafters of Test Guidelines
- 19. Matters to be resolved concerning Test Guidelines adopted by the Technical Committee
- 20. Discussion on draft Test Guidelines (Subgroups)
- 21. Recommendations on draft Test Guidelines
- 22. Date and place of the next session
- 23. Future program
- 24. Adoption of the Report on the session (if time permits)
- 25. Closing of the session

119. The TWO adopted this report at the close of its session.

[Annex I follows]

TWO/52/11

ANNEX I

LIST OF PARTICIPANTS

I. MEMBERS

<u>ARGENTINA</u>

María Lilia LOSADA (Ms.), Technical Professional, Dirección de Registro de Variedades, Instituto Nacional de Semillas (INASE), Secretaría de Agricultura, Ganadería, Pesca y Alimentación, Caba (e-mail: mlosada@inase.gov.ar)

AUSTRALIA

Nik HULSE (Mr.), Chief of Plant Breeders' Rights, Plant Breeder's Rights Office, IP Australia, Woden (e-mail: nik.hulse@ipaustralia.gov.au)

Tanvir HOSSAIN (Mr.), Senior Examiner, Plant Breeder's Rights Office, IP Australia, Woden (e-mail: tanvir.hossain@ipaustralia.gov.au)

Nahida BHUIYAN (Ms.), Examiner, Plant Breeder's Rights Office, IP Australia, Woden (e-mail: nahida.bhuiyan@ipaustralia.gov.au)

Muhammad Ali BHATTI (Mr.), Examiner, Plant Breeder's Rights Office, IP Australia, Woden (e-mail: ali.bhatti@ipaustralia.gov.au)

Andrew HALLINAN (Mr.), PBR Examiner, Plant Breeder's Rights Office, IP Australia, Woden (e-mail: andrew.hallinan@ipaustralia.gov.au)

Barkat MUSTAFA (Mr.), PBR Examiner, Plant Breeder's Rights Office, IP Australia, Woden (e-mail: Barkat.Mustafa@ipaustralia.gov.au)

BRAZIL

Luiz Claudio AUGUSTO DE OLIVEIRA (Mr.), Federal Agricultural Inspector, Serviço Nacional de Proteção de Cultivares (SNPC), Ministry of Agriculture, Livestock and Food Supply, Brasilia D.F. (e-mail: luiz.oliveira@agricultura.gov.br)

<u>CANADA</u>

Ashley BALCHIN (Ms.), Examiner, Plant Breeders' Rights Office, Canadian Food Inspection Agency (CFIA), Ottawa

(e-mail: ashley.balchin@canada.ca)

<u>CHINA</u>

Yongqi ZHENG (Mr.), Director, Laboratory for Molecular Testing of New Plant Varieties, Office of Protection of New Varieties of Plants, National Forestry and Grassland Administration, Beijing (e-mail: zhengyg@caf.ac.cn)

Qiang SUN (Mr.), Professor, Shanghai Forestry Station, Shanghai (e-mail: sundaysq@126.com)

Chuanhong ZHANG (Ms.), Associate Researcher, Research Institute of Forestry, Chinese Academy of Forestry, Beijing

(e-mail: zhangch@caf.ac.cn)

Yaling WANG (Ms.), Researcher, Xi'an Botanical Garden, Xi'an (e-mail: wangyl100@aliyun.com)

<u>COLOMBIA</u>

Jeimy Yiseth VELASQUEZ CORDERO (Ms.), Profesional Especializado, Dirección Técnica de Semillas, Instituto Colombiano Agropecuario (ICA), Bogotá (e-mail: jeimy.velasquez@ica.gov.co)

Diego Miguel GALVIS REY (Mr.), Profesional especializado, Dirección Técnica de Semillas, Instituto Colombiano Agropecuario (ICA), Bogotá (e-mail: diego.galvis@ica.gov.co)

EUROPEAN UNION

Jean MAISON (Mr.), Deputy Head, Technical Unit, Community Plant Variety Office (CPVO), Angers (e-mail: maison@cpvo.europa.eu)

Laetitia DENECHEAU (Mme), Technical Expert for Ornamental Plants, Community Plant Variety Office (CPVO), Angers (e-mail: denecheau@cpvo.europa.eu) Jens WEGNER (Mr.), Technical Expert for Ornamental Plants and Fruit Crops, Community Plant Variety Office (CPVO), Angers (e-mail: wegner@cpvo.europa.eu)

FRANCE

Stéphanie CHRISTIEN (Ms.), Ornamental DUS Manager, Groupe d'étude et de contrôle des variétés et des semences (GEVES) - Brion, Les Bois d'Anjou (e-mail: stephanie.christien@geves.fr)

GERMANY

Andrea MENNE (Ms.), Head, Section DUS Testing Ornamentals, Bundessortenamt, Hanover (e-mail: andrea.menne@bundessortenamt.de)

Daniela CHRIST (Ms.), Head of section, DUS testing of woody ornamentals, Bundessortenamt, Hanover (e-mail: daniela.christ@bundessortenamt.de)

<u>HUNGARY</u>

Szilvia MÁRKNÉ DEÁK (Ms.), DUS Expert, Agricultural Genetic Resources Directorate, National Food Chain Safety Office (NÉBIH), Budapest (e-mail: DeakSz@nebih.gov.hu)

<u>ITALY</u>

Barbara RUFFONI (Ms.), Research Director, CREA Research Centre for vegetable and ornamental species, San Remo

(e-mail: barbara.ruffoni@crea.gov.it)

<u>JAPAN</u>

Koji NAKANISHI (Mr.), Senior Staff, Center for Seeds and Seedlings NARO (NCSS), Tsukuba (e-mail: konaka@affrc.go.jp)

Kiyofumi NAKAMURA (Mr.), Examiner, Plant Variety Protection Office, Intellectual Property Division, Food Industry Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo (e-mail: kiyofumi_nakamura840@maff.go.jp)

Yoshiyuki OHNO (Mr.), Examiner, Intellectual Property Division , Food Industry Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Ibaraki-Ken

(e-mail: yoshiyuki_ono300@maff.go.jp)

Kenji NUMAGUCHI (Mr.), Assistant Examiner, Plant Variety Protection Office, Intellectual Property Division, Food Industry Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo (e-mail: kenji_numaguchi760@maff.go.jp)

Yosuke ABE (Mr.), Assistant Examiner, Plant Variety Protection Office, Intellectual Property Division, Food Industry Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo (e-mail: yosuke_abe880@maff.go.jp)

Satoshi FUJISAKO (Mr.), Assistant Examiner, Plant Variety Protection Office, Intellectual Property Division, Food Industry Affairs Bureau, Ministry of Agriculture, Forestry and Fisheries (MAFF), Tokyo (e-mail: satoshi_fujisako020@maff.go.jp)

<u>KENYA</u>

Gentrix Nasimiyu JUMA (Ms.), Chief Plant Examiner, Kenya Plant Health Inspectorate Service (KEPHIS), Nairobi

(e-mail: gjuma@kephis.org)

Luca's SUVA (Mr.), Senior Plant Inspector, Kenya Plant Health Inspectorate Service (KEPHIS), Nairobi (e-mail: Isuva@kephis.org)

Faith Mulekye MUSYIMI (Ms.), Plant Inspector, Kenya Pant Health Inspectorate Service (KEPHIS), Embu (e-mail: fmusyimi@kephis.org)

Milka Mbithe KANANDA (Ms.), Plant Examiner, Kenya Plant Health Inspectorate (KEPHIS), Nakuru (e-mail: mmbithe@kephis.org)

MEXICO

José Merced MEJIA MUÑOZ (Sr.), Profesor Investigador, Departemento de Fitotecnia, Universidad Autónoma Chapingo, Chapingo (e-mail: jmerced58@hotmail.com)

NETHERLANDS

Marien VALSTAR (Mr.), Senior Policy Officer, Seeds and Plant Propagation Material, Ministry of Agriculture, Nature and Food Quality, DG AGRO, The Hague (e-mail: m.valstar@minlnv.nl) Bert SCHOLTE (Mr.), Head Department Variety Testing, Naktuinbouw, Roelofarendsveen (e-mail: b.scholte@naktuinbouw.nl) Henk J. DE GREEF (Mr.), Specialist DUS testing ornamentals, Team DUS ornamental & fruit crops, Naktuinbouw, Roelofarendsveen (e-mail: h.d.greef@naktuinbouw.nl) Amanda VAN DIJK-VELDHUIZEN (Ms.), Manager DUS, Naktuinbouw Rassenonderzoek (Variety Testing), Roelofarendsveen (e-mail: a.v.dijk@naktuinbouw.nl) Jan Jaap STELWAGEN (Mr.), Manager DUS, Naktuinbouw, Roelofarendsveen (e-mail: j.j.stelwagen@naktuinbouw.nl) Katie BERBEE (Ms.), Senior DUS variety examiner, Naktuinbouw, Roelofarendsveen (e-mail: k.berbee-pont@naktuinbouw.nl) Gosia BLOKKER (Ms.), Senior DUS Examiner, Team DUS Vegetables, Naktuinbouw, Roelofarendsveen (e-mail: g.blokker@naktuinbouw.nl) Gerrit VAN DE WARDT (Mr.), Senior Crop Expert, Naktuinbouw, Roelofarendsveen (e-mail: g.vd.wardt@naktuinbouw.nl) Marco HOFFMAN (Mr.), Taxonomist / DUS Ornamental & Fruit Crops Specialist, Naktuinbouw DUS Ornamentals & Fruit, Roelofarendsveen (e-mail: m.hoffman@naktuinbouw.nl)

Jolanda VAN SCHIE (Ms.), DUS Officer, Naktuinbouw, Roelofarendsveen (e-mail: j.v.schie@naktuinbouw.nl)

NEW ZEALAND

Christopher J. BARNABY (Mr.), PVR Manager / Assistant Commissioner, Plant Variety Rights Office, Intellectual Property Office of New Zealand, Ministry of Economic Development, Christchurch (e-mail: Chris.Barnaby@pvr.govt.nz)

Cecilia REQUEJO-JACKMAN (Ms.), Senior Plant Variety Rights Examiner, Plant Variety Rights Office, Intellectual Property Office of New Zealand, Christchurch (e-mail: Cecilia.R-Jackman@pvr.govt.nz)

POLAND

Zofia STANISLAWSKA (Ms.), DUS Testing and Variety Identity Verification Unit Expert, Research Centre for Cultivar Testing (COBORU), Slupia Wielka (e-mail: z.stanislawska@coboru.pl)

UNITED KINGDOM

Elizabeth M.R. SCOTT (Ms.), Head of Varieties and Seeds, National Institute of Agricultural Botany (NIAB), Cambridge (e-mail: elizabeth.scott@niab.com) Hilary PAPWORTH (Ms.), Senior Technical Manager, National Institute of Agricultural Botanany (NIAB), Impington (e-mail: hilary.papworth@niab.com) Tara SHELDRAKE (Ms.), Technical Specialist, Ornamental Crops Characterisation, National Institute of Agircultural Botany (NIAB), Impington (e-mail: tara.sheldrake@niab.com)

UNITED STATES OF AMERICA

David CHALKLEY (Mr.), PVP Examiner, Plant Variety Protection Office, Washington D.C. (e-mail: david.chalkley@usda.gov)

<u>UZBEKISTAN</u>

Boburkhan ABBASOV (Mr.), Specialist examiner of new plants of varieties, Industial design, Agency on Intellectual Property of the Republic of Uzbekistan, Tashkent (e-mail: b.abbasov@ima.uz) Nadida NASIRILLAEVA (Ms.), Leading expert of the state patent, Agency on Intellectual Property of the Republic of Uzbekistan, Tashkent (e-mail: nadida96@gmail.com)

II. OBSERVERS

ALGERIA

Dalila ZALOUK (Ms.), Conservatrice des forêts, Ministère de l'agriculture et du développement rural, Blida (e-mail: daliferhat65@gmail.com)

III. ORGANIZATIONS

INTERNATIONAL COMMUNITY OF BREEDERS OF ASEXUALLY REPRODUCED ORNAMENTAL AND FRUIT PLANTS (CIOPORA)

Edgar KRIEGER (Mr.), Secretary General, International Community of Breeders of Asexually Reproduced Ornamental and Fruit Plants (CIOPORA), Hamburg, Germany

(e-mail: edgar.krieger@ciopora.org)

Micaela FILIPPO, Legal Council, International Community of Breeders of Asexually Reproduced Ornamental and Fruit Plants (CIOPORA), Hamburg, Germany

(e-mail: micaela.filippo@ciopora.org)

Silvia SARTORELLI (Ms.), Head Technical Expert (HTE) for ornamental crops, Holambra, Brazil (e-mail: silvia@cultivarprotection.com.br)

Todd PERKINS (Mr.), Senior Flower Breeder, Syngenta, Gilroy, United States of America (e-mail: todd.perkins@syngenta.com)

Herman SCHOLTEN (Mr.), Vice Technical Expert (VTE) for ornamental crops, Netherlands (e-mail: herman@royalty-adm-int.nl)

IV. OFFICERS

Henk J. DE GREEF (Mr.), Specialist DUS testing ornamentals, Team DUS ornamental & fruit crops, Naktuinbouw, Roelofarendsveen (e-mail: h.d.greef@naktuinbouw.nl)

V. OFFICE OF UPOV

Peter BUTTON (Mr.), Vice Secretary-General Yolanda HUERTA (Ms.), Legal Counsel and Director of Training and Assistance Ben RIVOIRE (Mr.), Head of Seed Sector Cooperation and Regional Development (Africa, Arab Countries) Leontino TAVEIRA (Mr.), Head of Technical Affairs and Regional Development (Latin America, Caribbean) Manabu SUZUKI (Mr.), Technical/Regional Officer (Asia) Hend MADHOUR (Ms.), IT Officer Romy OERTEL (Ms.), Secretary II Jessica MAY (Ms.), Secretary I Wen WEN (Ms.), Fellow Kasumi FALQUET (Ms.), Administrative support

TWO/52/11

ANNEX II

WELCOME SPEECH BY MR. MARIEN VALSTAR, SENIOR POLICY OFFICER, SEEDS AND PLANT PROPAGATION MATERIAL, MINISTRY OF AGRICULTURE, NATURE AND FOOD QUALITY, DG AGRO

Welcome to this Technical Working Party Ornamentals 2020!

Good evening for those in the east, good morning Europeans, and good night those in the west!

This Technical Working Party takes place under extra-ordinary circumstances.

We were really looking forward to hosting all of you, but the Covid-19 pandemic has affected all of us in every region in the world and in many ways.

Right now, we have to adapt to a new reality. This electronic meeting is one of those new realities.

Technical Working Parties are about collaboration between experts, about updating technical protocols, and about sharing information of what is going on in UPOV or what is going on in the industry.

These activities can perfectly be done online. It is online even easier for more people to participate in the meetings.

However, a Technical Working Party is also about strengthening the "family-ties" amongst each other, meeting colleagues and becoming friends, about getting the broader picture, about chatting during coffee breaks, lunchbreaks, and dinner.

They are about field visits to relevant places for our work, but also about getting a taste of the culture and food of the organizing country.

Those activities are unfortunately very difficult online, if not impossible.

So these elements will be missed this year. I think they are equally important to the work we do together in the Technical Working Parties, and I hope that in the future we will be able to have real-life meetings again.

Ideally we could work with a mix of online and real meetings combining the best of both systems.

For next year, I hope we will be able to organize the Technical Working Party Ornamentals in real life again.

And I also hope, that next years' meeting then can be organized again in the Netherlands. Off course that is up to all of you to decide.

I wish all of you all the best in your efforts to overcome the pandemic. And all the best regarding the health of you and your families.

And I hope you will have a very interesting, productive and joyful week.

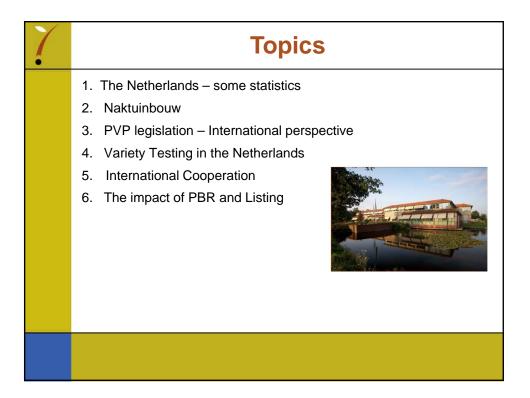
Hoping to see you next year in real life, Thank you.

[Annex III follows]

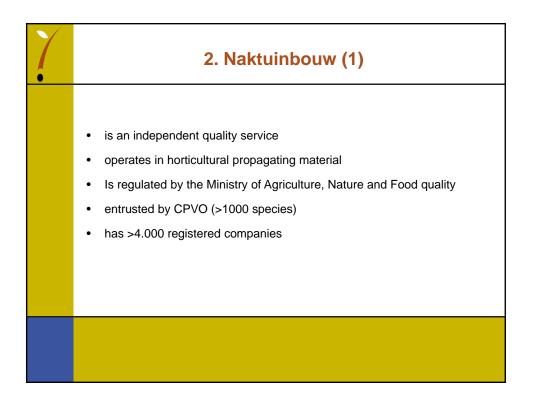
TWO/52/11

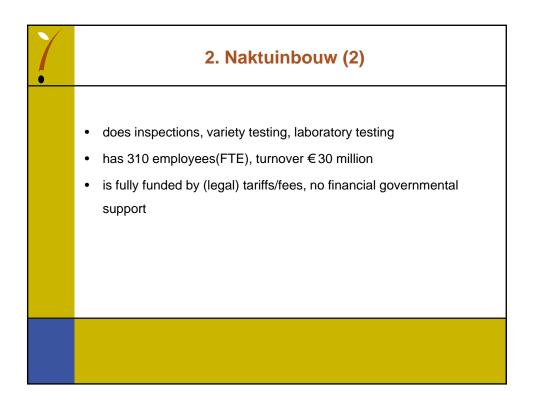
ANNEX III



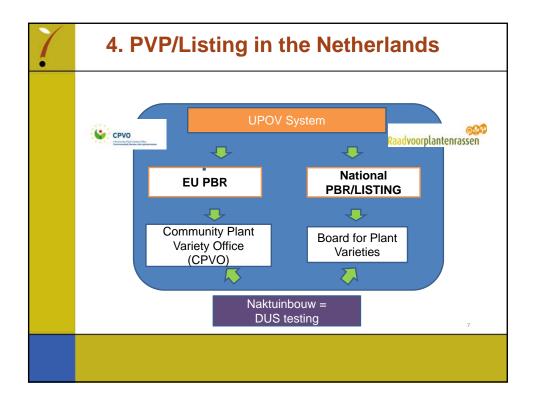


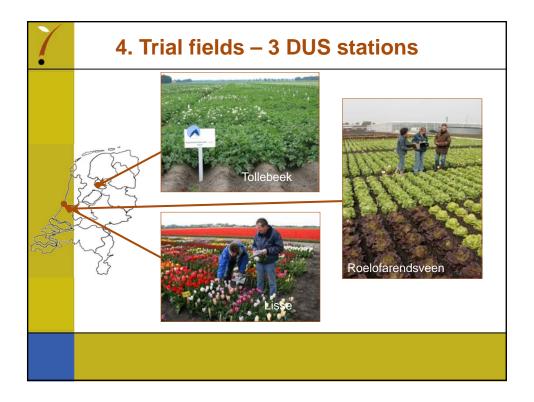
~	1. Sta	atistics	s about the Neth	erlands
	Item	Magnitude	Remark	
	Area	41.528 km2	18.41% water	
	Population	17 million	498 / km2	
	Temperature	2.8 – 17.4 C	January – July	
	GDP	825 billion €		
	Export – Agri	92 billion €	Dairy / meat / flowers / potatoes / seed	
	Farmers	55.000	Decreasing 3 % / year	
	Breeders	300	2.5 billion	
	Agriculture	1.8 million ha	1.2 million ha grasses	MAINIENDRA
	Arable crops	500.000 ha	Maize, Wheat, Sugarbeet, Potato	
	Horticulture	100.000 ha	9.000 ha greenhouses	

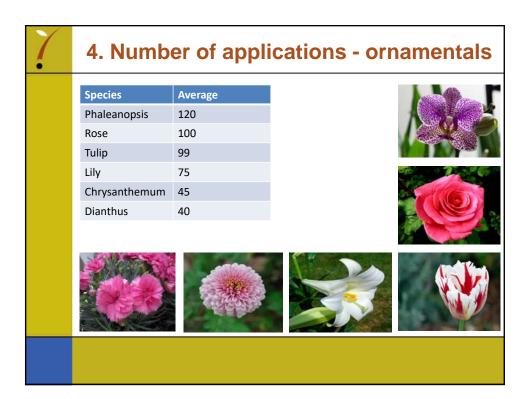




?	3. Legislation				
	UPOV	* * * * * * *			
			1924 1st Variety List		
			1941 Breeders Decree		
			1943 (Variety List - official)		
	UPOV 1961	1966_401 (foddercrops) /402 (cereals)	1967 – Law Seeds Planting Material		
	UPOV 1978	1972 - EU Catalogues (Vege/Agri)			
	UPOV 1991	1994 – EU Plant Breeders Rights			
		1999_105 (Forest)	2000 - Naktuinbouw		
		2002_53/54/55/56/57	2005 - New SPM Law		
		2008_90 (fruits)			





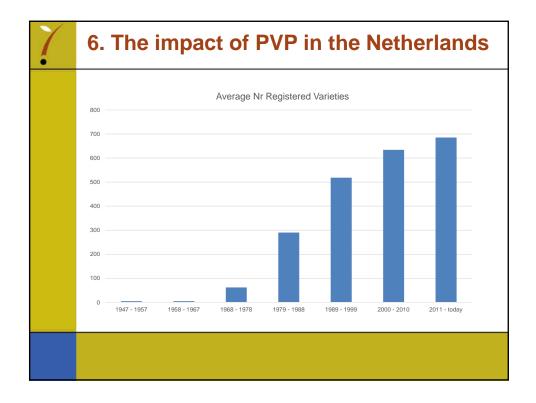


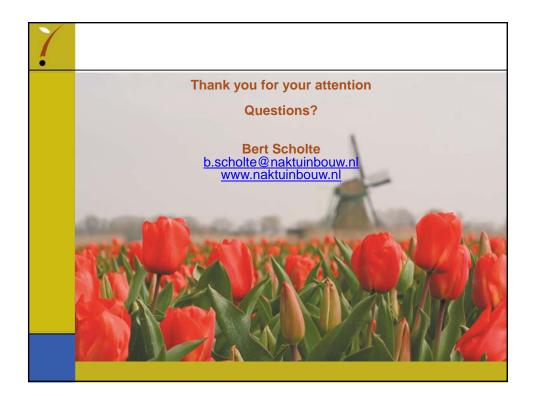
chnical cooperation – DL	IS testing
Species	Country
olium perenne	For France
Roses	For Colombia / Ecuador
Anthurium e.a.	For Brazil
Cabbage, pea, bean	Czech Republic for NL (*)
weet corn	Slovakia for NL (*)
(*) Two trials in 1 year	

?	5. International Cooperation				
	Administrative cooperation (Take over of DUS reports) - Source: CPVO Entrusted Examination Offices				
		Туре	Number / year	Crops	
		Purchase of DUS reports	200	(50) maize, wheat, potato	
		Selling of DUS reports	600	(60) lettuce, tomato, potato	

<u> </u>	5. International Cooperation			
Training and support				
	Program			
	Toolbox	21 projects in 10 countries	Africa, Middle-East, Central America, Eastern Europe	
	PVP Course	20 – 35 persons / year	Wageningen University - CDI	
	Interships	2 persons / year	Naktuinbouw	

?	6. The impact of PVP in the Netherlands					
	UPOV)				
			1924 1st Catalogue	70		
			1941 Breeders Decree			
			1943 - Variety List	188		
	UPOV '61	1966 - SMD	1967 – Seed Law	221		
	UPOV '78	1972 - EU Catalogues		341		
	UPOV '91	1994 – EU PBR (CPVR)		1327		
		1999_105 (Forest)		2143		
		2002_53-57 - New SMD	2005 - New SPM Law	2900		
		2008_90 (Fruits)		5093		
	2019			13096		





Quality in Horticulture

[Annex IV follows]

TWO/52/11

ANNEX IV

LIST OF LEADING EXPERTS

DRAFT TEST GUIDELINES TO BE SUBMITTED TO THE TECHNICAL COMMITTEE IN 2020

All requested information to be submitted to the Office of the Union

<u>by July 24, 2020</u>

Species	Basic Document(s)	Leading expert(s)
Calibrachoa (<i>Calibrachoa</i> Cerv.) (Partial revision: Chars. 16 to 20 and 28 and 29)	TG/207/2 and TWO/52/5	Ms. Elizabeth Scott (GB)
Chrysanthemum (<i>Chrysanthemum</i> × <i>morifolium</i> Ramat., <i>C. pacificum</i> Nakai) (Partial revision: coverage of the Test Guidelines)	TG/26/5 Corr. 2 and TWO/52/6	Mr. Kenji Numaguchi (JP)
*Coreopsis (<i>Coreopsis</i> L.)	TG/COREO(proj.3), TWO/52/4	Ms. Hilary Papworth (GB)
*Hydrangea (<i>Hydrangea</i> L.) (Revision)	TG/133/5(proj.4) Rev.	Ms. Stéphanie Christien (FR)
*Lagerstroemia (<i>Lagerstroemia</i> L.) (Revision)	TG/95/4(proj.3)	Ms. Stéphanie Christien (FR)
*Ranunculus (<i>Ranunculus</i> L.)	TG/RANUN(proj.3) Rev.	Mr. Satoshi Fujisako (JP)

DRAFT TEST GUIDELINES TO BE DISCUSSED AT TWO/53

(* indicates possible final draft Test Guidelines)

(Guideline date for Subgroup draft to be submitted by Leading Expert: February 26, 2021 Guideline date for comments to Leading Expert by Subgroup: March 26, 2021)

New draft to be submitted to the Office of the Union

before April 24, 2021

Species	Basic Document(s)	Leading expert(s)	Interested experts (States/Organizations) ²
Amaryllis (<i>Hippeastrum</i> Herb.) (Revision)	TG/181/3	Ms. Katie Berbee (NL)	JP, MX, QZ, CIOPORA, Office
Anthurium (<i>Anthurium</i> Schott) (Revision)	TG/86/6(proj.1)	Mr. Koji Nakanishi (JP)	AU, NL, QZ, CIOPORA, Office
*Berberis (<i>Berberis</i> L.) (Revision)	TG/68/4(proj.3) Rev.	Ms. Stéphanie Christien (FR)	CA, GB, PL, QZ, CIOPORA, Office
*Echinacea (<i>Echinacea</i> Moench.) (Revision)	TG/281/2(proj.1) Rev.	Ms. Hilary Papworth (GB)	CA, FR, JP, NZ, QZ, CIOPORA, Office
*Eustoma (<i>Eustoma</i> <i>grandiflorum</i> (Raf.) Shinners) (Revision)	TG/197/2(proj.2)	Mr. Kiyofumi Nakamura (JP)	DE, MX, KR, QZ, CIOPORA, Office
Lavender (<i>Lavandula</i> L.) (Revision)	TG/194/1 Rev.	Laetitia Denecheau (QZ)	CA, FR, GB, JP, MX, NZ, QZ, CIOPORA, Office
Ling, Scots Heather (<i>Calluna vulgaris</i> (L.) Hull) (Revision)	TG/94/6 Corr.	Ms. Andrea Menne (DE)	FR, GB, QZ, CIOPORA, Office
Magnolia (<i>Magnolia</i> L.)	TG/MAGNO(proj.1)	Ms. Wang Yaling (CN)	AU, CA, FR, GB, JP, KR, NZ, QZ, CIOPORA, Office
<i>Oxypetalum coeruleum</i> (D. Don) Decne.	New	Fujisako Satoshi (JP)	NL, QZ, CIOPORA, Office
Statice (<i>Limonium</i> Mill., <i>Goniolimon</i> Boiss. and <i>Psylliostachys</i> (Jaub. & Spach) Nevski) (Revision)	TG/168/4(proj.1)	Mr. Marco Hoffman (NL)	JP, KR, NZ, QZ, CIOPORA, Office
Weigela (<i>Weigela</i> Thunb.) (Revision)	TG/148/2	Stéphanie Christien (FR)	CA, DE, GB, HU, QZ, CIOPORA, Office
*Zinnia (<i>Zinnia elegan</i> s Jacq.; <i>Zinnia haageana</i> Regel; <i>Zinnia peruviana</i> (L.) L.; <i>Zinnia angustifolia</i> Kunth)	TG/ZINNIA(proj.8)	Mr. Jose Mejía Muñoz (MX)	CN, FR, GB, IL, JP, KR, NL, QZ, US, CIOPORA, Office

² for name of experts, see List of Participants.

DRAFT TEST GUIDELINES TO POSSIBLY BE DISCUSSED IN 2022

Species	Basic Document(s)
China-rose (Hibiscus rosa-sinensis L.)	New
Eucalyptus (<i>Eucalyptus</i> L'Hér.) (Partial revision)	TG/296/1
Leucanthemum Mill.	New
Paphiopedilum (Paphiopedilum Pfitzer)	New
Poinsettia (<i>Euphorbia pulcherrima</i> Willd. ex Klotzsch) (Revision)	TG/24/6
Pot Azalea (<i>Rhododendron simsii</i> Planch.) (Revision)	TG/140/4 Corr.

[End of Annex IV and of document]