

TC/40/5 Add.
ORIGINAL: English
DATE: May 21, 2004

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

TECHNICAL COMMITTEE

Fortieth Session Geneva, March 29 to 31, 2004

TGP DOCUMENTS

ADDENDUM

Document prepared by the Office of the Union

1. The document presents the updated version of Annexes I and II of document TC/40/5, incorporating the following amendments agreed by the Technical Committee (TC) at its fortieth session, held in Geneva from March 29 to 31, 2004:

Annex I: Structure of TGP/3, TGP/4 and TGP/9

The working title of TGP/4 to be "Constitution and Management of Reference Collections" (to be finalized at a later stage).

Annex II: Program for the Development of TGP Documents

TGP/5.8.2 "Guidance on the use of Interim Reports": not to be developed at this time;

TGP/4 and TGP/9: individual sections within the documents to be listed.

[Annex I follows]

TC/40/5 Add.

ANNEX I

STRUCTURE OF TGP/3, TGP/4 AND TGP/9

TGP/3: VARIETIES OF COMMON KNOWLEDGE¹

The Notion of Breeder and Common Knowledge²

TGP/4: MANAGEMENT AND CONSTITUTION OF VARIETY COLLECTIONS³

- 4.1 Criteria to Address Varieties of Common Knowledge
 - 4.1.1 Introduction (relationship between varieties of common knowledge and variety collections)
 - 4.1.2 The notion of risk in the establishment of variety collections⁴
 - 4.1.3 Factors to be considered when establishing variety collections
 - Types of variety (adaptation to growing conditions)
 - Availability (plant material, data)
 - Feasibility (annual or perennial varieties, type of propagation)
- 4.2 Maintenance of Variety Collections³
 - 4 2 1 General
 - 4.2.1.1 Collections of plant material (obtaining, verifying, maintaining, updating/renewing samples)
 - 4.2.1.2 Data management
 - 4.2.1.3 Access to plant material and data (e.g. restrictions on use, transfer agreement⁵)
 - 4.2.2 Variety Collections of Perennial Species⁶
 - 4.2.3 Cooperation in the Maintenance of Variety Collections

TGP 9: EXAMINING DISTINCTNESS

- 9.1 Introduction (overview of TGP/9 and relationship with TGP/3 and TGP/4)
- 9.2 Selecting Varieties for the Trial and Organizing the Trial
 - 9.2.1 Grouping Characteristics⁷
 - 9.2.1.1 Selecting grouping characteristics
 - 9.2.1.2 Using grouping characteristics
 - 9.2.2 The Use of "Phenotypic distance"
 - 9.2.2.1 The notion of "Phenotypic distance"
 - 9.2.2.2 The notion of "Distinctness plus"
 - 9.2.2.3 Using phenotypic distance
 - 9.2.2.4 Methodologies for using phenotypic distance⁸
 - 9.2.2.4.1 The GAIA software
 - 9.2.2.4.2 (Others)
- 9.3 Trial Organization
 - 9.3.1 Number of Independent Growing Cycles
 - 9.3.1.1 The notion of "independent" growing cycles (e.g. seasons, locations)
 - 9.3.1.2 Basis for determining the number of independent growing cycles
 - 9.3.2 Use of Multiple Locations in the Examination of Distinctness
 - 9.3.2.1 Reasons for using more than one location
 - 9.3.2.2 Use of information from multiple locations

TC/40/5 Add. Annex I, page 2

- 9.4 Factors in the Choice of Methods for the Assessment of Distinctness⁹
 - 9.4.1 Introduction
 - 9.4.2 Type of Variety^{10, 11}
 - 9.4.2.1 Introduction (variation within a variety and distinctness assessment)
 - 9.4.2.2 Self-pollinated varieties
 - 9.4.2.3 Vegetatively propagated varieties
 - 9.4.2.4 Cross-pollinated varieties
 - 9.4.2.5 Hybrids¹²
 - (a) General
 - (b) Use of the parental formula
 - 9.4.2.6 Rootstocks (two sets of characteristics)
 - 9.4.3 Type of Characteristic ¹³
- 9.5 Methods for the Assessment of Distinctness
 - 9.5.1 Introduction
 - 9.5.2 Visual Assessment
 - 9.5.2.1 Introduction (direct comparisons, use of standardized scales, etc.)
 - 9.5.2.2 Visual assessment and types of varieties/characteristics/data
 - 9.5.2.3 Use of randomized "blind" testing 14
 - 9.5.3 Measurements¹²
 - 9.5.4 Statistical Methods
 - 9.5.4.1 Introduction
 - 9.5.4.2 COYD
 - 9.5.4.3 Long-term LSD¹⁵
 - 9.5.4.4 Others, etc.
- 9.6 Examples of Distinctness Assessment¹⁶
 - 9.6.1 Australia
 - 9.6.2 France
 - 9.6.3 Others, etc.

[Annex II follows]

The TC agreed that the development of TGP/3 was a matter for the CAJ.

Document C(Extr.)/19/2 Rev.

Amendment proposed by Mr. Guiard (Coordinator of TGP/4).

⁴ TWA: to eliminate the word "acceptable".

Under development by the CAJ (see documents CAJ/49/2 and CAJ/49/3).

New title as for the last version of TGP/4.2; TWA: title to be amended to clarify that it addresses DUS trials where the age of the plants is different; TWO+TWF: need to elaborate the terms "permanent" and "variety collection" and to cover herbaceous species.

⁷ TWA: to reduce the number of sections.

⁸ TWA: to restructure one subsection for GAIA and keep open for future developments.

TWC: to change the title because the whole of TGP/9 concerns methods for the assessment of distinctness.

¹⁰ TWA+TWF+TWO: to keep variety types as in TG/1/3.

TWA+TWC proposal to move Section "Examining Distinctness in Different Types of Varieties" to this place.

¹² TWA: new section proposed.

¹³ TWA: new section instead of "Criteria to decide".

¹⁴ TWF: experts from DE, NZ and ZA will assist the Office in drafting this section.

¹⁵ TWC: new section proposed.

¹⁶ TWF+TWO: to amend the title to avoid any inference that there are different approaches.

TC/40/5 Add.

ANNEX II

PROGRAM FOR THE DEVELOPMENT OF TGP DOCUMENTS

								2004								2005					2006				
Ref.	Title of document	Current approved * documents	Comments / Other relevant documents	Drafter (TWP)	Drafter (Name)		Date for Draft to Office	TC	TWV	TWC	TWA	TWO	TWF	TC- EDC	TC	CAJ	TWV	TWC	TWA	TWO	TWF	TC- EDC	TC	CAJ	TWPs
TGP/00	List of TGP Documents and Latest Issue Dates (Coordinator: Office (PB))	-		Office	PB			-	-		-				Adopt	X	X	X	X	X	X	X	X	X	X
TGP/01	General Introduction With Explanations (Coordinator: Office (PB))	-		Office																					
TGP/02	List of Test Guidelines Adopted by UPOV (Coordinator: Office (PB))	TC/40/2		Office	PB				-				-		Adopt	X	X	X	X	X	X	X	X	X	X
TGP/03	Varieties of Common Knowledge (Coordinator: Office (PB)) The Notion of Breeder and Common Knowledge	- C(Extr.)/19/2 Rev.	Responsibility of CAJ						X	X	X	X	 X	 X	Adopt	X	X	X	X	X	X	X	X	X	X
		<u>`</u>																							
TGP/04	Management and Constitution of Variety Collections (Coordinator: Mr. Guiard (FR))		TC/40/5	Various	Mr. Guiard (FR) / Mr.Schulte (DE) / Office (RL)				draft 1	draft 2	draft 3	draft 3	draft 4	draft 5	Adopt	Adopt	X								
TGP/04.1 TGP/04.2	Criteria to Address Varieties of Common Knowledge Maintenance of Variety Collections																								
TGP/05	Experience and Cooperation in DUS Testing (Coordinator: Office (PB))			Office	PB									draft 1	Adopt	X	X	X	X	X	X	X	X	X	X
TGP/05.1	Model Administrative Agreement for International Cooperation in the Testing of Varieties			Office																					
TGP/05.2	UPOV Model Form for the Application for Plant Breeders' Rights	C/XVIII/9 Add., Annexes II and IV, Part I		Office																					
TGP/05.3	Technical Questionnaire to be Completed in Connection with an Application for Plant Breeders' Rights (TQ)	Section 10)		Office																					
TGP/05.4 TGP/05.5	UPOV Request for Examination Results UPOV Answer to the Request for Examination Results	TC/XXV/12, Annex, p. 6 TC/XXV/12, Annex, p. 7		Office Office																					
TGP/05.6	UPOV Report on Technical Examination	TC/XXV/12, Annex, p. 1		Office																					
TGP/05.7	UPOV Variety Description	TC/26/6, Annex I, pp. 1-3		Office																					
TGP/05.8.1	UPOV Interim Report on Technical Examination	TC/XXV/12, Annex, p. 5		Office																					
(TGP/05.8.2)	(Guidance on the use of Interim Reports)	CDC/F		TWA/O/V																					
TGP/05.9 TGP/05.10	Cooperation in Examination List of Species in Which Practical Technical Knowledge has Been Acquired or For Which National Guidelines Have Been Established	C/36/5 TC/39/4		Office Office																					
TGP/05.11	Notification of Additional Characteristics			Office																					
TGP/06	Arrangements for DUS Testing (Coordinator: Office (MT))			Office	PB/MT									draft 1	Adopt	X	X	X	X	X	X	X	X	X	X
TGP/06.1	Introduction			Office	MT																				
TGP/06.2.1 TGP/06.2.2	Examples of Arrangements for DUS Testing: Australia Examples of Arrangements for DUS Testing: France		TGP/6.1.2 draft 1 TGP/6.1.2 draft 1		Mr. Hossain (AU) Mr. Guiard (FR)		01-Aug-04 01-Aug-04							draft 1 draft 1											
TGP/06.2.3	Examples of Arrangements for DUS Testing: Trance Examples of Arrangements for DUS Testing: Japan		TGP/6.1.2 draft 1		Mi. Guiaiu (FK)		01-Aug-04 01-Aug-04							draft 1											
TGP/06.2.4	Examples of Arrangements for DUS Testing: other examples			other			01-Aug-04							draft 1											
TGP/06.3	Declaration on the Conditions for the Examination of a Variety Based on Trials Carried Out by or on behalf of Breeders	C/27/15 Annex II																							
TGP/07	Development of Test Guidelines (Coordinator: Mrs Buitendag (ZA))							Adopt	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TGP/08	Use of Statistical Procedures in DUS Testing												-				draft 1	draft 2	Adopt	X	X				
TGP/08.1	(Coordinator: Office (RL)) Introduction			TWC	Mr. Grégoire (FR) / Mr. Keizer (NL)	TWO: Ms. Scott																			
TGP/08.2	Experimental Design Practices			TWC	Mr. Keizer (NL) Mr. Thissen (NL) / Mr. Meyer (DE)	(db)	30-Apr-04			draft 2															
TGP/08.3	Types of Characteristics and Their Scale Levels		TWV/35/17; TWA/30/8; TWO/34/10; TWF/32/11	TWC	Mr. Meyer (DE)		30-Apr-04			draft 3	-						-								
TGP/08.4	Validation of Data and Assumptions			TWC	Mr. Kristensen (DK) / Mr. Thissen (NL)	-	30-Apr-04			draft 3		1					-								
TGP/08.5	Statistical Methods for DUS Examination			TWC	Ms. Watson (GB) / Mr. Roberts (GB)		30-Apr-04			draft 3		I	-				-								
TGP/08.6	Examining DUS in Bulk Samples			TWC	Mr. Kristensen (DK)	1	30-Apr-04			draft 2															

TC/40/5 Add. Annex II, page 2

Marie Mari									2004								2005		2006							
March Marc				Comments /				Date for																		
NAMES SECTION	n. e								me		7777.67		77770			me			mm.c					me.		
CONSIDERAL PROPERTY OF THE PRO	Ref.		documents			` /	Interested Experts	Office																		
Columbia	1 GP/09			1C/40/5	Office	KL				draft I	draft 2	draft 3	draft 3	draft 4	draft 5	Adopt	Adopt	X								
Series Se	TGP/09.1					RI.																				
1965 1965	TGP/09.2																									
Column C																										—
District																										-
Marke State	1GF/09.4																									i l
Secricing Philips Secricing Philips (Princing) Princing Philips		Distillettery				Mrs.Rücker (DE)																				1
Complete	TGP/09.5	Methods for the Assessment of Distinctness				Ms. Watson (GB)																				
Contaminate City of Page P	TGP/09.6	Examples of Distinctness Assessment																								<u> </u>
Contaminate City of Page P	TCD/IO	Parada da Harena da													16.1	16.2	16.2	1 6: 2	16.2	16.2	16.2	16.2	16.4	4.1	4.1	
Common of Agricultural Mechanism of Agricultural Mechanism of Ministration of Agricultural Mechanism of Ministration of Mini	1 GP/10														draft 1	draft 2	draft 2	drait 3	drait 3	draft 3	drait 3	aratt 3	draft 4	Adopt	Adopt	X
Property	TGP/10.1				?		TWO																			
Part	TGP/10.2	Assessing Uniformity According to the Features of Propagation			TWC	Ms. Rücker (DE)		23-Apr-04		draft 3																
Second Methods: COTU																										i l
Property	TCD/10.2.1	Buded of Medical COVID	TC/22/7		TWO	M. Water (CD) /		22 4 04		10.2	10.2	10.2	10.2	10.2												
Second Methods: GOT-yage CRIS-10	1Gr/10.5.1	Statistical Methods. COTO	10/33/7		1 WC			23-Apr-04		diait 3	dian 3	diait 5	diait 3	diait 5												i l
Secretar Methods: Segregated Rate Fig. March Law Cilip Subject Sub	TGP/10.3.2	Statistical Methods: Off-Types	TC/34/5		TWC			23-Apr-04		draft 3																
Company Comp								-																		i e
Configuration Configuratio	TGP/10.3.3	Statistical Methods: Segregation Ratios			TWC	Mr. Law (GB)		30-Apr-04			draft 1															
Configuration Configuratio	TCP/11	Examining Stability																								
Fig.	101/11																									
Conditionary Configuration	(TGP/11.1)																									
Conditionary Configuration																										
Comparison Com	TGP/12																									-
Introduction (confirmaty) standards)	TGP/12 1 0														draft 1											
Company of the Company of Exercises Compa	101/12.1.0														uiuii i											
Comparing Comparing Reposed in Reposed in Reposed	TGP/12.1.1				TWV	Mr. Van Ettekoven		23-Apr-04		draft 3					draft 4	draft 5										draft 6
Company Comp																										
CFOP 12 International Expressed in Response to External Factors: TWA Mr. Camint (GF) Mr. Hossan (AU)	TGP/12.1.2				TWA	Mr. Hossain (AU)		14-May-04				draft 2								draft 3						draft 4
Intered Resistance	TGP/12.1.3				TWA /	Mr. Guiard (FR)	Mr Hossain (AU)			draft 1								draft 2		draft 2						draft 3
Mr. Guard (FR) Mr.						(-1-)																				1
Committee Comm	TGP/12.2.1	Chemical Constituents: Protein Electrophoresis			TWA			01-Aug-04							draft 1	Approve	X	X	X	X	X	X	X	X	X	X
Continue of Second and Flavor Chamsteristics	mon/10.0			mala cirilan	o musco	Mr. Guiard (FR)																				
Gildance for New Types and Species TWO Mr. Kwakkembos TWA: Mr. Camlin; TWF. Mr. Barnalby (CPVO) TWF. Mr. Barnalby (CPVO	1GP/12.3	Examination of Combined Characteristics Using Image Analysis	5	1C/36///12B	? IWC																					
Gildance for New Types and Species TWO Mr. Kwakkembos TWA: Mr. Camlin; TWF. Mr. Barnalby (CPVO) TWF. Mr. Barnalby (CPVO	(TGP/12.4)	(Examination of Scent and Flavor Characteristics)																								
Coordinator: Mr. Kwakkenbos (CPVO)																										
Comparison Com	TGP/13				TWO			28-May-04					draft 1							draft 2	draft 2	draft 2				draft 3
Barrientos-Priego (NX)		(Coordinator: Mr. Kwakkenbos (CPVO))				(CPVO)																				1
Control Cont																										1
In IPOV Documents																										1
In IPOV Documents																										
Coordinator: Office (PB)	TGP/14																									
TC367/18A Office PB																										
TC36/5 & TWF Ms. Buitendag (ZA) TWF. Ms. Lean (GB); Mr. Bergamini (IT); Mr. Barnaby (NZ) TWF/34/5 TWF Ms. Buitendag (ZA) TWF Ms. Buitendag (ZA) TWF. Ms. Lean (GB); Mr. Bergamini (IT); Mr. Barnaby (NZ	TGP/14 1			TC/36/7/18A	Office	PB																				
1. Plant shapes	TGP/14.2						TWF: Ms. Lean																_			
1. Plant shapes				TWF/34/5																						
1. Plant shapes																										
TWF/34/5		1. Plant shows		TC/26/5 %	TWE	Ma Duitandaa (7A)		04 I 04						des O 2								J., 0. 4				
Composition		1. Plant snapes			IWF	Ms. Buitendag (ZA)		04-Jun-04						drant 3								draft 4				
2. Hair types TWF Mr., Barnaby (NZ) 04-Jun-04 draft 2 draft 3 draft 3 draft 3 draft 3 draft 3 draft 3				1 1175 115																						
3. Color TWO Ms. Menne (DE); 28-May-04 draft 2 draft 2 draft 2 draft 2 draft 3 draft 3 draft 3 draft 3 draft 4 draft 2 draft 3 draft 3 draft 3 draft 4 draft 3 draft 4 draft 2 draft 2 draft 3							Mr. Barnaby (NZ)																			
TWA/29/9 TWC / Mr. Hossain (AU) / TWA Mr. Roberts (GB)																										
TWA Mr. Roberts (GB)	TCD/14.2		1	TWA /20/0			+																			
IGP/15 New Types of Characteristics	1 GF/14.3	Statistical Terrils		1 W A/29/9				05-iviay-04			dian 2								uiaii 3							uran 4
TGP/15 New Types of Characteristics					1	, (33)																				
(Coordinator: Office)	TGP/15	New Types of Characteristics																								
		(Coordinator: Office)																								