TECHNICAL WORKING PARTY FOR ORNAMENTAL PLANTS AND FOREST TREES

Forty-Third Session Cuernavaca, Morelos State, Mexico, September 20 to 24, 2010

PREPARATORY WORKSHOP

September 19, 2010

(TPOT)	PROGRAM
1.	Introduction to UPOV
2.	Overview of the General Introduction (document TG/1/3 and TGP documents)
3.	Guidance on drafting Test Guidelines (document TGP/7)
	 (a) Selection of characteristics (b) Guidance on drafting characteristics (i) Types of expression (QL, QN, PQ), notes and distinctness (ii) Method of observation for distinctness (V/M: G/S) (iii) Asterisked, grouping and TQ characteristics (iv) Example varieties (c) The process for developing UPOV Test Guidelines
4.	UPOV databases
5.	The UPOV website
6.	Role of the Technical Working Parties
7.	Agenda for the TWV Session
8.	Feedback





UPOV

2. OVERVIEW OF THE GENERAL **INTRODUCTION**

(DOCUMENT TG/1/3 AND TGP **DOCUMENTS)**

> **GUIDANCE FOR DUS EXAMINATION**





- VARIETY DENOMINATION
- FORMALITIES
- PAYMENT OF FEES

NO OTHER CONDITIONS!





















3. TEST GUIDELINES

(a) Selection of characteristics



UPOV



Selection of Characte	eristic	S	
Criteria	Fruit: color	Leaf: shape	Yield
(a) results from a given genotype or combination of genotypes	Yes	Yes	
(b) sufficiently consistent and repeatable in a particular environment	Yes	Yes	
(c) exhibits sufficient variation between varieties to be able to establish distinctness	Yes	Yes	
(d) is capable of precise definition and recognition	Yes	Yes	
(e) allows uniformity requirements to be fulfilled	Yes	Yes	
(f) allows stability requirements to be fulfilled	Yes	Yes	
Commercial value	Yes	No	
ACCEPTABILITY	Yes	Yes	

TLAL	Selection of Character	eristic	S	
	Criteria	Fruit: color	Leaf: shape	Yield
	 (a) results from a given genotype or combination of genotypes 	Yes	Yes	Yes
	(b) sufficiently consistent and repeatable in a particular environment	Yes	Yes	(No)
	(c) exhibits sufficient variation between varieties to be able to establish distinctness	Yes	Yes	???
	(d) is capable of precise definition and recognition	Yes	Yes	(No)
	(e) allows uniformity requirements to be fulfilled	Yes	Yes	???
	(f) allows stability requirements to be fulfilled	Yes	Yes	???
	Commercial value	Yes	No	Yes
	ACCEPTABILITY	Yes	Yes	No

Special Character	ristics: Disease Resistance
Criteria	Disease Resistance
(a) results from a given genotype or combination of genotypes	*Knowledge of nature of genetic control of resistance is important
(b) sufficiently consistent and repeatable in a particular environment	*Standardize conditions (greenhouse / laboratory) & methodology *Standardize inoculum *Ring-test
 (c) exhibits sufficient variation between varieties to be able to establish distinctness 	*Susceptible / Resistant OR varying degrees of resistance?
(d) is capable of precise definition and recognition	*Define and recognize races and strains
(e) allows uniformity requirements to be fulfilled	see above
(f) allows stability requirements to be fulfilled	see above
	Difficult and expensive









- QL: QUALITATIVE
- QN: QUANTITATIVE
- PQ: PSEUDO-QUALITATIVE

	7. <u>Table of Characte</u>	ristics/Tableau d	es caractères/Merkm	alstabelle/Tabla d	le caracteres	
Char. No.	English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note
1. (*)	Plant: growth habit	Plante : port	Pflanze: Wuchsform	Planta: porte		
QN	upright	dzessé	aufrecht	erecto	Imppink	1
\cup	semi-upright	semi dressé	halbaufrecht	semierecto	D0158-1	2
	spreading	étalé	breitwüchsig	abierto	Summern 03	3
	semi-trailing	semi-étalé	halbhängend	semirrastrero	Impsaf	4
	trailing	coureux	hingend	rastreco	Organza	5
2.	Plant: height	Plante : hauteur	Pflanze: Höhe	Planta: altura		
(+)						
QN	short	basse	niedrig	baja	Yateye	3
	medium	moyenne	mittel	media	D0158-1	5
	tall	haute	hoch	alta	Impeink	7





POT N	<mark>ON-Qualitat</mark>	ive characte	<u>ristic</u>	
Anthocyan	Anthocyanin coloration: absent / present			
	Variety A	Variety B	Variety C	1
Environment A				
Environment B				







In the case of "pseudo-qualitative characteristics," the **range of expression is at least partly continuous, but varies in more than one dimension** (e.g. shape: ovate (1), elliptic (2), circular (3), obovate (4)) and cannot be adequately described by just defining two ends of a linear range. In a similar way to qualitative (discontinuous) characteristics – hence the term "pseudo-qualitative" – each individual state of expression needs to be identified to adequately describe the range of the characteristic.











	P 0 V).	Q	ualitative ((specia	Characterist al cases)	<u>ics</u>	
Char No.	Method of Features Heading	français	deutsch	español	Example Varietie: Exemples/ Beispielssorten/ Variedades ejemp	s/ Note/ Nota lo
1. (*)	MS Plant: ploidy C					
QL	diploid tetraploid					2
3. (*)	VG Stem: anthocya coloration	inin				
QL	absent				Gumpoong	1
	present				Chunpoong, Gopoong	9

Note State 1 very weak 2 very weak 3 weak to medium 4 weak to medium 5 medium 6 medium to strong	
Note State 1 very weak 0:r: abent or very weak 2 very weak to weak 3 weak 4 weak to medium 5 medium 6 medium	
Note State 1 very weak (or: absent or very weak) 1 very small 2 very weak to weak 2 very small to small 3 weak 3 small 4 weak to medium 5 medium 5 medium 6 medium 6 medium to strong 6 medium to large	
Note State 1 very weak (or: absent or very weak) 2 very weak to weak 3 weak 4 weak to medium 5 medium 6 medium 6 medium to trong	
Note State 1 very weak (or; absent or very weak) 2 very weak (or; absent or very weak) 3 weak 4 4 weak to medium 5 6 medium 6	
Note State 1 very weak (or: absent or very weak) 1 very small (or: absent or very small 2 very weak to weak 2 very small to small 3 weak 3 small 4 weak to medium 4 small to medium 5 medium 6 medium to strong	
1 very weak (or: absent or very weak) 1 very small (or: absent or very small 2 very weak to weak 2 very small to small 3 weak 3 small 4 weak to medium 4 small to medium 5 medium 5 medium 6 medium to strong 6 medium to large	
1 Very weak 1 Very small 1 Very weak 1 Very small 2 Very weak to weak 2 Very small to small 3 weak 3 small 4 weak to medium 4 small to medium 5 medium 6 medium 6 medium to strong 6 medium to large	
101. absent of very weak to weak 2 very weak to weak 2 very weak to weak 2 very small to small 3 weak 3 small 4 weak to medium 4 small to medium 5 medium 5 medium 6 medium to strong 6 medium to arge	11)
S weak S small 4 weak to medium 4 small to medium 5 medium 5 medium 6 medium to strong 6 medium to large	11)
4 weak to medium 4 small to medium 5 medium 5 medium 6 medium to strong 6 medium to large	
5 medium 5 medium 6 medium to strong 6 medium to large	
6 medium to strong 6 medium to large	
7 strong 7 large	
8 strong to very strong 8 large to very large	
9 very strong 9 very large	

	Quantitative Ch	aracteristics	
Standard Range Version 1 1 very weak 3 weak 5 medium 7 strong 9 very strong	Standard Range Version 2 1 very weak (or: absent or very weak) 3 weak 5 medium 7 strong -	Standard Range Version 3 - 3 weak 5 medium 7 strong 9 very strong	Standard Range Version 4 - 3 weak 5 medium 7 strong -

		<u>Quantitati</u>	ve Characteristi	<u>cs</u>
		1		
State	Example 1	Example 2	Example 3	Example 4
	Size relative to:	Angle:	Position:	Length in relation to:
1	much smaller	very acute	at base	equal
3	moderately smaller	moderately acute	one quarter from base	slightly shorter
5	same size	right angle	in middle	moderately shorter
7	moderately larger	moderately obtuse	one quarter from apex end	much shorter
9	much larger	very obtuse	at apex	very much shorter



P 0 1	D	<u>Pse</u>	eudo-qualit (typic	tative Characteristics al examples)		
24. (+)	Flower: color of the center	Fleur: couleur du centre	Farbe der Mitte	Flor: color del centro		
PQ	green	vert	grün	verde	1	
	yellow	janne	gelb	amarillo	2	
	orange	orange	orange	naranja	3	
	pink	rose	r058	rosa	4	
	red	rouge	rot	rojo	5	
	purple	pourpre	purpum	púrpura	6	













THAT	
What typ	e of Expression?
QL:	Qualitative
QN:	Quantitative
PQ:	Pseudo-qualitative

		Note/ Nota
1.	Plant: ploidy	
	diploid	2
	tetraploid	4
	hexaploid	6
	octoploid	8



<u>1901</u> 3.	Plant: rhizomes	
	absent	1
	present	9

4.	Petal: color	
	white	1
	yellow	2
	orange	3
	red	4
	pink	5
	purple	6









NOTES and DISTINCTNESS according to TYPE OF EXPRESSION (QL, PQ, QN)



TLOL)

OUALITATIVE Characteristics

"Qualitative characteristics" are those that are **expressed in discontinuous states** (e.g. sex of plant: dioecious female (1), dioecious male (2), monoecious unisexual (3), monoecious hermaphrodite (4)). These states are self-explanatory and independently meaningful. All states are necessary to describe the full

range of the characteristic, and every form of expression can be described by a single state. The order of states is not important. As a rule, the **characteristics are not influenced by environment**.



TLOAD)

Oualitative Characteristics: distinctness

In qualitative characteristics, the difference between two varieties may be considered clear if one or more characteristics have expressions that fall into **two different states in the Test Guidelines**. Varieties should not be considered distinct for a qualitative characteristic if they have the same state of expression.

(e.g. sex of plant: dioecious female (1), dioecious male (2), monoecious unisexual (3), monoecious hermaphrodite (4)).



UPOV)

PSEUDO-QUALITATIVE Characteristics

In the case of "pseudo-qualitative characteristics," the **range of expression is at least partly continuous, but varies in more than one dimension** (e.g. shape: ovate (1), elliptic (2), circular (3), obovate (4)) and cannot be adequately described by just defining two ends of a linear range. In a similar way to qualitative (discontinuous) characteristics – hence the term "pseudo-qualitative" – each individual state of expression needs to be identified to adequately describe the range of the characteristic.





Pseudo-Qualitative Characteristics: distinctness

A different state in the Test Guidelines may not be sufficient to establish distinctness (see also section 5.5.2.3). However, in certain circumstances, varieties described by the same state of expression may be clearly distinguishable.













NOTES	
Versus	
SIDE-BY-SIDE COMPARISON	
(Quantitative characteristics)	





Quantitative Characteristics: distinctness

The General Introduction explains that, in the case of visually observed quantitative characteristics:

"5.5.2.2. A direct comparison between two similar varieties is always recommended, since direct pairwise comparisons are the most reliable. In each comparison, a difference between two varieties is acceptable as soon as it can be assessed visually and could be measured, although such measurement might be impractical or require unreasonable effort."













			Di	TG/233/1 iscia/Diascie, 2007-03-2 . 9 .	8		
		English	français	Deutsch	español	Example Varieties/ Exemples/ Beispielssorten/ Variedades ejemplo	Note Nota
_							
6. (*)	(a)	Leaf blade: length	Limbe: longneur	Blattspreite: Länge	Limbo: longitud		
QN		short	courte	kurz	conto	Coditer, Strawberry Saudae	3
		medium	moyeane	mittel	medio	Codiusre	\$
		long	longue	lang	largo	Balwhislapi, Balwhiswhit	7







Method of Observation

M: Measurement:

an objective **observation against a calibrated, linear scale** e.g. using a ruler, weighing scales, colorimeter, dates, counts, etc.);

V: Visual observation:

includes observations where the expert uses **reference points** (e.g. diagrams, example varieties, side-by-side comparison) or non-linear charts (e.g. color charts).

"Visual" observation refers to the sensory observations of the expert and, therefore, also **includes smell, taste and touch**.

TGP/9/1 "Examining Distinctness"						
	Туре с	f expression of charact	eristic			
Method of propagation of the variety	QL (QUAL itatative)	PQ (PSEUDO qualitative)	Q N (QUANT itative)			
Vegetatively propagated, self-pollinated	Notes (VG)	Notes (VG) Side-by-side (VG)	Notes (VG/MG/MS) Side-by-side (VG) Statistics (MG/MS)			
Cross-pollinated	Notes (VG) Statistics (VS*)	Notes (VG) Side-by-side (VG) Statistics (VS*)	Statistics ([MG]/MS/VS) Side-by-side (VG) Notes (VG/MG/MS,			
Hybrids	Notes (VG) Statistics (VS*)	Notes (VG) Side-by-side (VG) Statistics (VS*)	**			

TGP	9/9/1 "Exar	mining Dist	inctness"
	V= Visual o	observation	
	Туре с	f expression of characte	ristic
Method of propagation of the variety	QL (QUAL itatative)	PQ (PSEUDO qualitative)	QN (QUANT itative)
Vegetatively propagated, Self-pollinated	Notes (V G)	Notes (VG) Side-by-side (VG)	Notes (VG/MG/MS) Side-by-side (VG) Statistics (MG/MS)
Cross-pollinated	Notes (VG) Statistics (VS*)	Notes (VG) Side-by-side (VG) Statistics (VS*)	Statistics ([MG]/MS/VS) Side-by-side (VG) Notes (VG/MG/MS)
Hybrids	Notes (VG) Statistics (VS*)	Notes (VG) Side-by-side (VG) Statistics (VS*)	**

V= Visu M= N	al observatio	n or ent	5011001033
	Туре	of expression of char	acteristic
Method of propagation of the variety	Q L (QUAL itatative)	PQ (PSEUDO qualitative)	Q N (QUANT itative)
Vegetatively propagated, self-pollinated	Notes (VG)	Notes (VG) Side-by-side (VG)	Notes (VG/MG/MS) Side-by-side (VG) Statistics (MG/MS)
Cross-pollinated	Notes (VG) Statistics (VS*)	Notes (VG) Side-by-side (VG) Statistics (VS*)	Statistics ([MG]/MS/VS) Side-by-side (VG) Notes (VG/MG/MS)
Hybrids	Notes (VG) Statistics (VS*)	Notes (VG) Side-by-side (VG) Statistics (VS*)	











	Exercise 2
Background information	
Crop:	vegetatively propagated ornamental variety
Number of Growing Cycles:	single growing cycle
Test Design:	10 plants
Observations for distinctness:	5 plants
Characteristic;	Plant: height (states: short (3); medium (5); long (7))
MG	MS VG VS
	Exercise 3
Background information	
Crop:	vegetatively propagated ornamental variety
Number of Growing Cycles:	single growing cycle
Test Design:	10 plants
Observations for distinctness:	5 plants
Characteristic:	Flower: presence of perianth (states: absent (1); present (9))

Pacageories momanon Crop: seed-propagated (self-polinated) agricultural crop Hamber of Steaving Crystes: too independent growing cryste Test Design: 200 plants, divide between two replicates. Characteristic: Anne: length compared to ear (states: short (3); medium (5); long (7 MG MG MS VG VG VG Aeen: length compared to ear Aeen: length compared to ear	2		Exercise 4	
Lists: sees-population (see Jonname appruture crop Mamber of Gleowing Cycles 10 independent growing cycles Text Design: 2000 plants, include between two replicates. Obtenzitions for distinctives: 2000 plants Characteristic: Aver: Fength compared to ear (states: short (3); medium (5); long (2) MG MS VG VS	Background inform	abon		
Exemeter of uterwind Lyckes: Two independent growing cycles Test Design: 2000 pinnts: Chear and the statechesis: 20 pinnts Chear and the statechesis: 20 pinnts (see Blustration) MG MG MS VG VS	Crop:	seed-propagat	ed (self-polanated) agricultural cri	op
Test Lesgin: 2000 paints include between two repic lites. Chearantions is distinctives: 20 paints Characteristis: Avric length compared to ear (states: shot (3); medium (5); long (7); (see illustration) MG MS VG VS	Number of Growing	Cycles: two independe	nt growing cycles	
Conservations for astroctions: 20 plants Characteristic: Aver. Length compared to ear (states: short (3); medium (5); long ((see illustration) MG MS VG VS Aven; length compared to ear	Test Design:	2000 plants, d	vided between two replicates.	
Characteristic: Avric tength compared to ear (states: shot (3); medium (5); long (7 (see Watatation) MG MG MG VG VG VS Avric length compared to ear	Observations for di	strictness: 20 plants		
(see illustration) MG MS VG VS Awn. length compared to ear	Characteristic:	Awn: length o	compared to ear (states: short (3)); medium (5); long (7
Aven: length compared to ear	1.000	(see illustration	0	
Aven: length compared to ear	MG	MS	VG	VS
			4	A
			5	



Standard Test Guidelines Characteristic					
Function	Criteria				
1.Characteristics that are accepted by UPOV for examination of DUS and from which members of the Union can select those suitable for their particular circumstances.	Must satisfy the criteria for use of any characteristic for DUS as set out in Chapter 4, section 4.2 . Must have been used to develop a variety description by at least one member of the Union . Where there is a long list of such characteristics and, where considered appropriate, there may be an indication of the extent of use of each characteristic.				

7.	Table of Characte	ristics/Tableau	des caractères/Merkm	alstabelle/Tabla	de caracteres	
Char. No.	English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
6	Plant: growth habit	Plante : port	Pflanze: Wuchsform	Planta: porte		
QN	upright	dressé	aufrecht	erecto	Inuppink	1
	semi-upright	semi dressé	halbaufrecht	semierecto	D0158-1	2
	spreading	étalé	breitwüchsig	abierto	Sumnem 03	3
	semi-trailing	semi-étalé	halbhängend	semirrastrero	Inupsaf	4
	trailing	coureux	hängend	rastrero	Organza	5

Asterisk	ed Characteristic
Function	Criteria
1.Characteristics that are important for the international harmonization of variety	1.Must be a characteristic included in the Test Guidelines.
descriptions.	2. Should always be examined for DUS and included in the variety description by all members of the Union
	EXCEPT when the state of expression of a preceding characteristic or regional environmental conditions render this inappropriate.
	3.Must be useful for function 1.
	4. Particular care should be taken before selection of disease resistance characteristics.









TĐ	CHNICAL QUESTIONNAIRE	Page (x) of (y)	Reference Number:	o the
cor	responding characteristic in Test	Guidelines; please m	irk the note which best correspo	nds).
	Characteristics		Example Varieties	Note
5.5 (37)	Fruit: hue of over color – with bloom	a removed		
	orange red		Cox's Orange Pippin, Egremont Russet	1[]
	pink red		Cripps Pink, Delorgue	2[]
	red		Akane, Galaxy, Red Elstar, Regal Prince	3[]
	purple red		Red Jonaprince, Spartan	4[]
	brown red		Fiesta, Joburn, Lord Burghley	5[]
5.6 (39)	Fruit: pattern of over color			
	only solid flush		Red Jonsprince, Richared Delicious	1[]
	solid flush with weakly defined stripes		Galaxy	2[]
	solid flush with strongly defined stripe		Jonagored	3[]
	weakly defined flosh with strongly defi	ined stripes	Oravensteiner	4[]
	only stripes (no flush)		Helios	11
	flushed and mottled		Elstar	6[]
	flushed, striped and mottled		Jonagold	7[1]



















TLON			Lettuce	TG/13/9 Laitue/Salat/Lechuga, . 7 .	2004-03-31		
	7. <u>Tał</u>	le of Characteristi	ics/Tableau des earr	ictères/Merkmalsta	belle/Tabla de cara	cteres	
		English	français	Deutsch	español	Example Varieties Exemples Beispielssorten Variedades ejemplo	Note/ Nota
	ь. (?)	Seed: color	Semence: couleur	Samen: Farbe	Semilla: color		
		white	blanche	weiß	blanco	Verpia	1
		yellow	jaune	gelb	amarillo	Durango	2
		black	noire	schwarz	negro	Kagraner Sommer	3
	2. (*) (*)	Seedling: anthocyanin coloration	Plantule: pigmentation anthocyanique	Keimpflanze: Anthocyanfärbung	Plántula: pigmentación antociánica		
		absent	absente	fehlend	ausente	Verpia	1
		present	présente	vorhanden	presente	Pirat	9
	λ.	Seedling; size of cetyleden (fully developed)	Plantule: taille du cotylédon (à complet développement)	Keimpflanze: Größe des Keimblatts (voll entwickelt)	Plántula: tamaño del cotiledón (plenamente desarrollado)		
		small	petit	klein	pequaño	Romance	3
		medium	moyen	mittel	medio	Expresse	5
		large	grand	groß	grande	Verpia	7











EXAMPLE (New Test Gu	idelines)
Test Guidelines: <i>Plantus magnifica</i>	r L.
(Common na	Ime: Alpha)
Technical Working Party: TWX	
TWX (2005):	Alpha (proj 1)
TWX (2006):	Alpha (proj 2)
TWX (2007):	Alpha (proj 3)
Enlarged Editorial Committee (2008):	Alpha (proj 4)
Technical Committee (2008):	Alpha (proj 5)
Final adopted document (2008):	TG/500/1





TPOT	TRUTCH COURT OF THE PERFECTION OF ANY TANGENES IN PLANE	CORVERSE LEGRADOUTY
	(1900) and other (1999) and an (1990) and (1990) and (1995)	
ENIE Database		
list of Crop /	GENIE Database	
list of Authorities		
Randard Reports	Simple Search Multiple Search Report	
ipreadsheets	15.75 G	
UPDV-ROH Plant Variety Database	Search ALL Crop / Botanical Name Species: Common Name in Easting	*
UPOV Code System	Common Name in Franch Common Name in Spanish Common Name in Spanish Isearch	
	UPOV Search	
	Search by Name: Authority: "Please select "	Y
	by 2-letter ISO Code: search	

5. THE UPOV WEBSITE	
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				Exan	nple TW	P Session	6								
Sunday	Mor	Monday Tue			Weda	sesday	Thur	sday	Friday						
(TECHNICAL WORKSHOP] (optional)	Reports on developments in PVP		Reports on developments in PVP		Reports on developments in PVP		Reports on developments in PVP		orts on TOP document logments in PVP development		TOP document development		Experiences with new types and species Variety denominations		Databases, Electronic application systems Exchangeable software
COFFEE	COF	COFFEE		COPPEE		COFFEE COFFEE		FEE.	COFFEE						
(TECHNICAL WORKSHOP] (optimul)	Reports (Co Molecular 8	ntinuation) echniques	TOP docum development	est I	Room 1 Test Guidelines subgroup	Ecom.2 Test Guidelines subgroup	Uniformity method development		Recommendations on Test Guidelines						
	1.07	CH	LUNCH		LUNCH		LUNCH		LUNCH						
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Ouidelines subgroup	Room 1 Test Ouidelines subgroup	Room 2 Test Guidelines subgroup					Room I Test Guidelines subgroup	Room.2 Test Guidelines subgroup	Future program Adoption of report				
COFFEE	COFFEE		COFFEE		TECHNICAL VISIT		COP	TEE							
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Ouidelines subgroup	Room 2 Test Guidelines subgroup	14		Beenl Test Ouidelines subgroup	Room.2 Test Ouidelines subgroup	END OF SESSION						
	Costa	nation	RECE	PTION			Costa	ration							



				Exan	nple TWI	P Session	0					
Sunday	Mo	nday	Tue	sday	Weda	esday	Thu	sday	Friday			
(TECHNICAL WORKSHOP] (optimal)	Reports on developments in PVP		Reports on TGP document developments in PVP		GP document TGP document I levelopment development T		Experiences with new types and species Variety denominations		Databases, Electronic application systems Exchangeable software			
COFFEE.	COFFEE		COFFEE COFFEE		COFFEE		COFFEE		COFFEE		COFFEE	
(TECHNICAL WORKSHOP] (optimal)	Reports (Co Molecular 1	ntinuation) echniques	TOP docum developmen	esal t	Room 1 Test Guidelines subgroup	Room 2 Test Ouidelines subgroup	Uniformity method development		Recommendations on Test Ouidelines			
	LU	NCH .	LU	VCII	LC	NCII			LUNCH			
WORKSHOP	Room.1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room.2 Test Guidelines subgroup					Ream_1 Test Guidelines subgroup	Room.2 Test Ouidelines subgroup	Future program Adoption of report	
COFFEE	COFFEE		COFFEE COFFEE		TECHNIC	TECHNICAL VISIT		FEE				
REPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room.2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room.2 Test Guidelines subgroup				ts P P P Recent.l Rece Test Test Guidelines Guidelines Guidelines Subgroup			Reem.2 Test Ouidelines subgroup	END OF SESSION
	Conta	mation	RECT	PTION			Costa	native				



				Exan	ple TW	P Session	E.						
Sunday	Mor	aday	Tue	sday	Weda	sesday	Thur	sday	Friday				
	Reports on development	ats in PVP	TGP document development COFFEE		TGP document E development 1 CONVEE		Experiences with new types and species Variety denominations COFFEE		Databases, Electronic application systems Exchangeable software COFFEE				
(TECHNICAL WORKSHOP) (optional)	COF	TEE											
	Reports (Continuation) Molecular techniques		TGP document development		Boom.1 Boom.2 Test Test Ouidelines subgroup subgroup		Uniformity method development		Recommendations on Test Ouidelines				
	10	LUNCH		LUNCH		LUNCH		CH	LUNCH				
	Recm.). Test Ouidelines subgroup	Reom.2 Test Ouidelines subgroup	Room.1 Test Ouidelines subgroup	Room.2 Test Ouidelines subgroup							Room.1 Test Ouidelines subgroup	Room.2 Test Ouidelines subgroup	Future program Adoption of report
WORKSHOP	COF	THE	COFFEE		TECHNICAL VISIT		COFFEE						
	Room 1 Test Ouidelines subgroup	Room 2 Test Ouidelines subgroup	Room 1 Test Ouidelines subgroup	Room 2 Test Ouidelines subgroup			Room_1 Test Ouidelines subgroup	Room.2 Test Ouidelines subgroup	END OF SESSION				
	Conto	sution	1427234030				Contin	nation					

C	UPOV	\supset	-	TWP Ve	enues		
~		TWA	TWC	TWF	TWO	TWV	BMT
	1994	Spain	Israel	New Zealand	Australia	UK	France
	1995	Germany	Poland	UK	Netherlands	Netherlands	Netherlands
	1996	Greece	Germany	Israel	Israel	Czech Rep.	
	1997	Uruguay	Hungary	Netherlands	Denmark	Spain	United Kingdom
	1998	France	Belgium	Australia	New Zealand	Poland	USA
	1999	Canada	Finland	Slovakia	Czech Rep.	Germany	
	2000	Sweden	Ukraine	Hungary	Hungary	France	France
	2001	Mexico	Czech Rep.	Spain	Japan	Italy	Germany
	2002	Brazil	Mexico	Argentina	Ecuador	Japan	
	2003	Japan	Denmark	Canada	Canada	Netherlands	Japan
	2004	Poland	Japan China (workshop)	Germany	Germany	Rep. of Korea	
	2005	New Zealand	Canada	Japan	Rep. of Korea	Kenya	USA
	2006	China	Kenya	Brazil	Brazil	Mexico	Rep. of Korea
	2007	Hungary	Romania	Rep. of Korea	China	Kenya	
	2008	South Africa	Rep. of Korea	Portugal	Netherlands	Poland	Spain
	2009	Rep. of Korea	USA	France	Europe an Union	China	
	2010	Croatia	European Union	Mexico	Mexico	Bulgaria	Canada
		may 24-28	June 28 - July 2	Sept. 27 - Oct. 1	Sept. 20 - 24	July 5 - 9	May 11 - 13





