

## ***Seminar on DUS Testing***

### **Role of the Technical Committee and the Technical Working Parties *in developing and providing guidance on DUS testing***

Peter Button (Technical Director, UPOV)

*Geneva, March 18 to 20, 2010*

## **Preview**

- Participation
- Developing guidance to facilitate harmonization and cooperation
- Exchanging information
- An opportunity for training (participants and local experts)

**PARTICIPATION in the  
TECHNICAL COMMITTEE (TC)  
and  
TECHNICAL WORKING PARTIES (TWPs)**

*Participation in TC and TWPs is open to:*

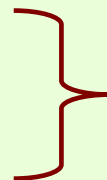
- members of the Union
- observer:
  - States
  - international intergovernmental organizations
  - international non-governmental organizations

DEVELOPING GUIDANCE  
to facilitate  
HARMONIZATION and COOPERATION

THE CONDITIONS FOR GRANTING  
A BREEDER'S RIGHT

*Criteria to be satisfied*

- NOVELTY
- **D**ISTINCTNESS
- **U**NIFORMITY
- **S**TABILITY



**"DUS"**

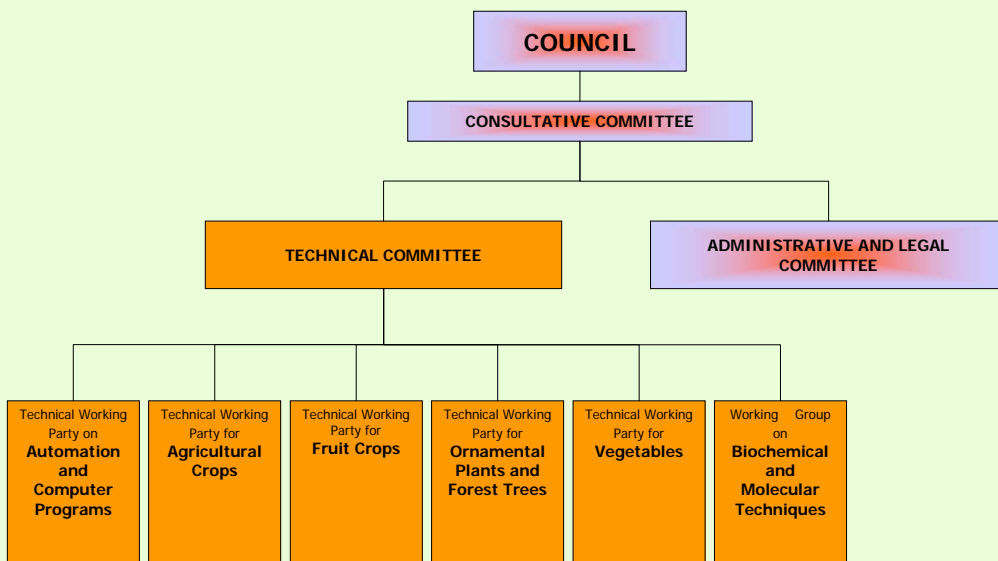
## THE CONDITIONS FOR GRANTING A BREEDER'S RIGHT

### *Other conditions*

- VARIETY DENOMINATION
- FORMALITIES
- PAYMENT OF FEES

**NO OTHER CONDITIONS!**

## UPOV Structure



## Guidance for DUS Examination

### facilitates:

#### **BEST PRACTICE (based on experience)**

- = > good decisions
- = > good definition of the object of protection  
(strong protection)
- = > efficiency in method of examination (learn from the best)

#### **HARMONIZATION**

- = > efficiency
  - mutual acceptance of DUS reports  
(minimize cost of examination for individual authorities)
  - mutual recognition of variety descriptions  
(all parties speak the same "language")
  - simple and cheap system for applicants  
(minimize cost for breeders)

## UPOV provides guidance by:

- The "General Introduction" (TG/1/3)
  - General technical principles
  - Organization of DUS Testing
  - Associated "TGP" Documents

**UPOV**

TG/1/3 General Introduction

↓

"Associated" TGP Documents

Ref.	Title
TG/00	List of TGP Documents and Latest Issue Dates
TGP/1	General Introduction With Explanations
TGP/2	List of Test Guidelines Adopted by UPOV
TGP/3	Varieties of Common Knowledge
TGP/4	Constitution and Maintenance of Variety Collections
TGP/5	Experience and Cooperation in DUS testing
TGP/6	Arrangements for DUS testing
TGP/7	Development of Test Guidelines
TGP/8	Trial Design and Techniques Used in the Examination of DUS
TGP/9	Examining Distinctness
TGP/10	Examining Uniformity
TGP/11	Examining Stability
TGP/12	Special Characteristics
TGP/13	Guidance for New Types and Species
TGP/14	Glossary of Technical, Botanical and Statistical Terms Used in UPOV Documents
TGP/15	New Types of Characteristics

- UPOV**
- UPOV provides guidance by:**
- The "General Introduction" (TG/1/3)
    - General technical principles
    - Organization of DUS Testing
    - Associated "TGP" Documents (e.g. statistical methods)
- AND
- **"Test Guidelines"**
    - Species/Crop-specific recommendations developed by crop experts
    - TGP/7 "Development of Test Guidelines" adopted

**UPOV**

**E**

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

TG/217/1  
ORIGINAL: English  
DATE: 2004-04-31

**CACTUS PEAR  
and  
XOCOHOSTLES**  
*(Opuntia, Groups 1 & 2)*

**GUIDELINES  
FOR THE CONDUCT OF TESTS  
FOR DISTINCTNESS, UNIFORMITY AND STABILITY**

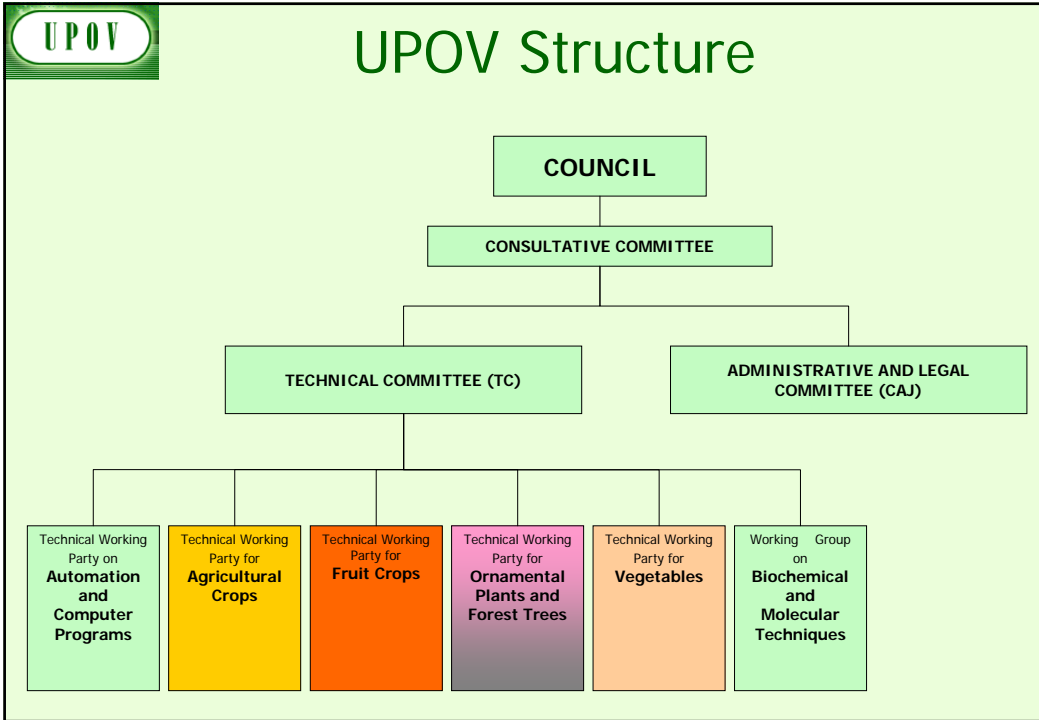
Alternative Names:<sup>\*</sup>

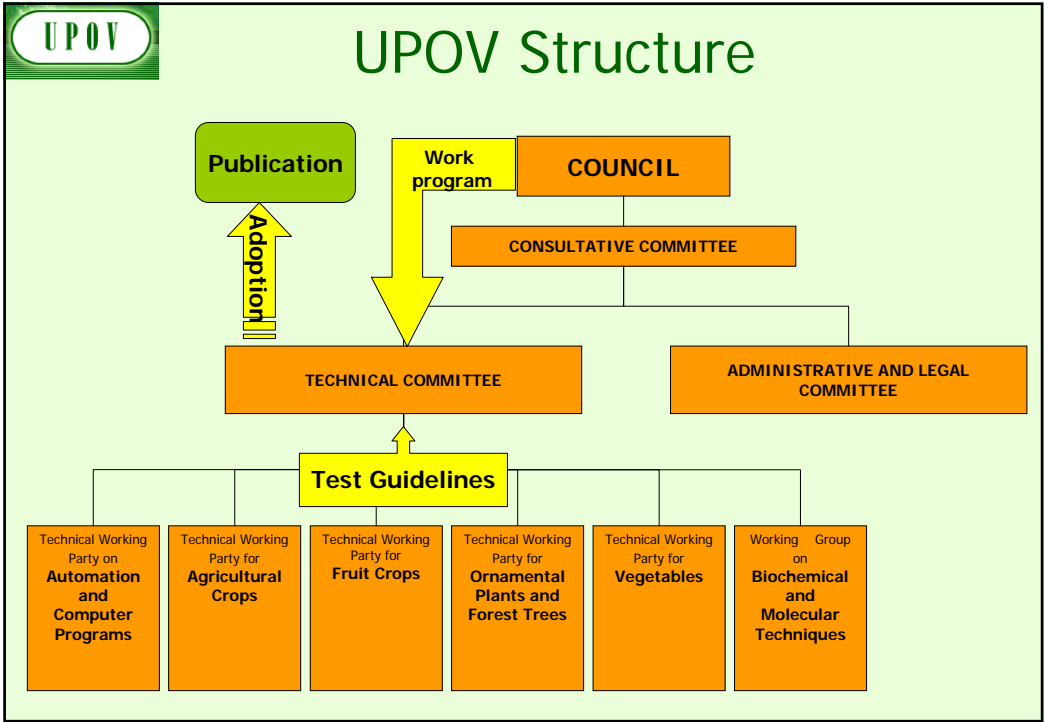
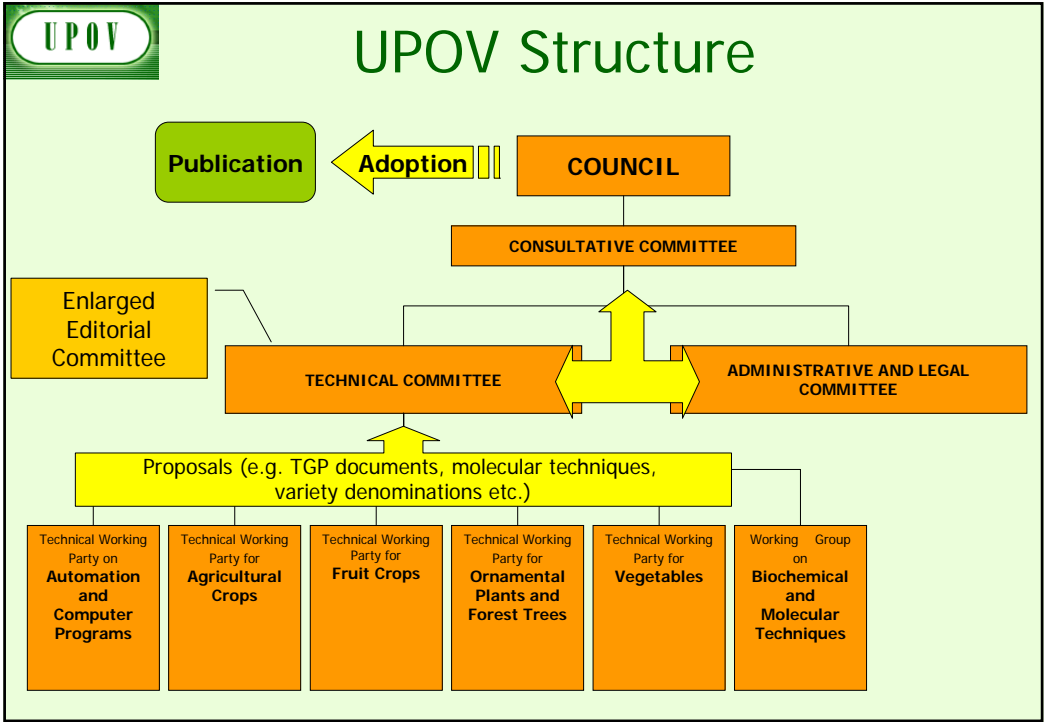
<i>Latin</i>	<i>English</i>	<i>French</i>	<i>German</i>	<i>Spanish</i>
<i>Opuntia</i> , Group 1	Cactus pear, Prickly pear	Figuier de Barbarie	Felgenkaktus	Chambera, Nopal tunero, Tuna
<i>Opuntia</i> , Group 2	Xocostles	Xocostles	Xocostles	Xocostles

**ASSOCIATED DOCUMENTS**

These guidelines should be read in conjunction with document TG/1/3, "General Introduction to the Examination of Distinctness, Uniformity and Stability and the Development of Harmonized Descriptions of New Varieties of Plants" (hereinafter referred to as the "General Introduction") and its associated "TGP" documents.

<sup>\*</sup> These names were correct at the time of the introduction of these Test Guidelines but may be revised or updated. [Readers are advised to consult the UPOV Code, which can be found on the UPOV Website ([www.upov.int](http://www.upov.int)), for the latest information.]







**UPOV**

**Example TWP Session**

Sunday	Monday		Tuesday		Wednesday		Thursday		Friday
[TECHNICAL WORKSHOP] (optional)	Reports on developments in PVP		TGP document development		TGP document development		Experiences with new types and species Variety denominations		Databases, Electronic application systems Exchangeable software
COFFEE	COFFEE		COFFEE		COFFEE		COFFEE		COFFEE
[TECHNICAL WORKSHOP] (optional)	Reports (Continuation) Molecular techniques		TGP document development		Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Uniformity method development		Recommendations on Test Guidelines
	LUNCH		LUNCH		LUNCH		LUNCH		LUNCH
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	TECHNICAL VISIT		Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Future program Adoption of report
COFFEE	COFFEE		COFFEE				COFFEE		
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup			Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	
	Continuation		RECEPTION				Continuation		END OF SESSION

**UPOV**

**EXCHANGING INFORMATION**

**Example TWP Session**

Sunday	Monday		Tuesday		Wednesday	Thursday		Friday	
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COFFEE	COFFEE		COFFEE		COFFEE		COFFEE	COFFEE	
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	LUNCH		LUNCH		LUNCH		LUNCH	LUNCH	
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	TECHNICAL VISIT		Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Future program Adoption of report
COFFEE	COFFEE		COFFEE				COFFEE		
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup			Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	
	Continuation		RECEPTION				Continuation		END OF SESSION

**AN OPPORTUNITY  
for  
TRAINING**

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[TECHNICAL WORKSHOP] (optional)	Reports on developments in PVP	TGP document development	TGP document development	Experiences with new types and species Variety denominations	Databases, Electronic application systems Exchangeable software	
	COFFEE	COFFEE	COFFEE	COFFEE	COFFEE	
	Reports (Continuation) Molecular techniques	TGP document development	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Uniformity method development	Recommendations on Test Guidelines
	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	
PREPARATORY WORKSHOP	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup
	COFFEE	COFFEE	TECHNICAL VISIT	COFFEE	END OF SESSION	Future program Adoption of report
	Room 1 Test Guidelines subgroup	Room 2 Test Guidelines subgroup		Room 1 Test Guidelines subgroup		
	Continuation	RECEPTION		Continuation		

**TECHNICAL WORKING PARTY FOR AGRICULTURAL CROPS**

**Preparatory Workshop for the Thirty-Ninth Session  
Osijek, Croatia, May 24 to 28, 2010**

PROVISIONAL PROGRAM

*prepared by the Office of the Union*

1. Introduction to the International Union for the Protection of New Varieties of Plants (UPOV)
2. Role of UPOV Technical Working Parties (TWPs)
3. Overview of the General Introduction (document TG/1/3 and TGP documents)
4. Guidance on drafting Test Guidelines (document TGP/7)
  - (a) Selection of characteristics
  - (b) Guidance on drafting characteristics
    - (i) States of expression, notes and DUS
    - (ii) Method of observation (V/M; G/S)
    - (iii) Asterisked, grouping and TQ characteristics
    - (iv) Example varieties
  - (c) The process of developing UPOV Test Guidelines
5. UPOV databases (UPOV-ROM Plant Variety Database; GENIE database)
6. The UPOV website
7. Agenda for the TWA Session
8. Feedback from participants

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TWP Venues

	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	European Comm.	China	
2010	Croatia	European Comm.	Mexico	Mexico	Bulgaria	Canada
	May 24-28	June 28 - July 2	Sept. 27 - Oct. 1	Sept. 20 - 24	July 5 - 9	May 11 - 13

# Technical Committee Session

## Example TC Session

Monday	Tuesday	Wednesday
Enlarged Editorial Committee (TC-EDC) meeting	TC session Molecular techniques	TC session Databases, Software, Electronic application systems
	COFFEE	COFFEE
	TGP documents	Uniformity
	LUNCH	LUNCH
TC session Progress reports on the work of the <u>TWPs</u> Matters arising from the Technical Working Parties	TGP documents Variety denominations	Preparatory workshops Test Guidelines Practical experience Future program Adoption of the report on the conclusions
RECEPTION TC-EDC	TC-EDC	CLOSE





**THANK YOU**