



TC/39/6 Add.

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

TECHNICAL COMMITTEE

Thirty-Ninth Session Geneva, April 7 to 9, 2003

ADDENDUM TO THE PROGRAM FOR THE DEVELOPMENT OF TGP DOCUMENTS

Document prepared by the Office of the Union

1. During its thirty-ninth session, held in Geneva from April 7 to 9, 2003, the Technical Committee (TC) considered the program for the development of TGP documents set out in document TC/39/6. It agreed that:

“21. The TC confirmed that TGP/7 “Development of Test Guidelines” should continue to receive highest priority and that all TWPs should be invited to consider TGP/7 at their sessions in 2003. It also confirmed that TGP/4 “Management of Variety Collections,” TGP/9 “Examining Distinctness” and TGP/10 “Examining Uniformity” should continue to receive the next highest priority. However, it considered that TGP/7 would take a substantial amount of time to be discussed and agreed that the TWPs should not be requested to consider TGP/4, TGP/9 or TGP/10 at their sessions in 2003. Nevertheless, it agreed that the flow diagram, in Annex I of document TC/39/6, showing the proposed restructuring of TGP/3, TGP/4 and TGP/9 should be elaborated and presented to the TWPs at their sessions in 2003. Furthermore, it agreed that TGP/3 should not be discussed further in the TC and should be a matter for the CAJ.

“22. It agreed that, during 2003, the Office should produce full drafts of TGP/4 and TGP/9, based on the existing information in the individual sections and the restructuring set out in Annex I of document TC/39/6, to ease the consideration of these documents by the TWPs at their sessions in 2004. With regard to other TGP documents, the TC agreed that the TWPs should continue to discuss drafts of those documents for which they were responsible as far as time allowed.

“23. The TC agreed with the proposal in document TC/39/6 that drafts of TGP/5 “Experience and Cooperation in DUS Testing,” TGP/6 “Arrangements for DUS Testing” and TGP/12.2.1 “Chemical Constituents: Protein Electrophoresis” could be submitted to the TC, at its session in Spring 2005, without discussion in the TWPs.

“24. It was agreed that the Office should provide an updated program for the development of TGP documents in accordance with this approach and that this program should be circulated to the TC and TWPs.”

2. In accordance with the approach agreed by the TC, the Office of the Union has elaborated the flow diagram (reproduced in Annex I) showing the proposed restructuring of TGP/3, TGP/4 and TGP/9 in Annex II of this document. The updated program for the development of TGP documents is presented in Annex III of this document.

3. *The TWPs are invited to comment on:*

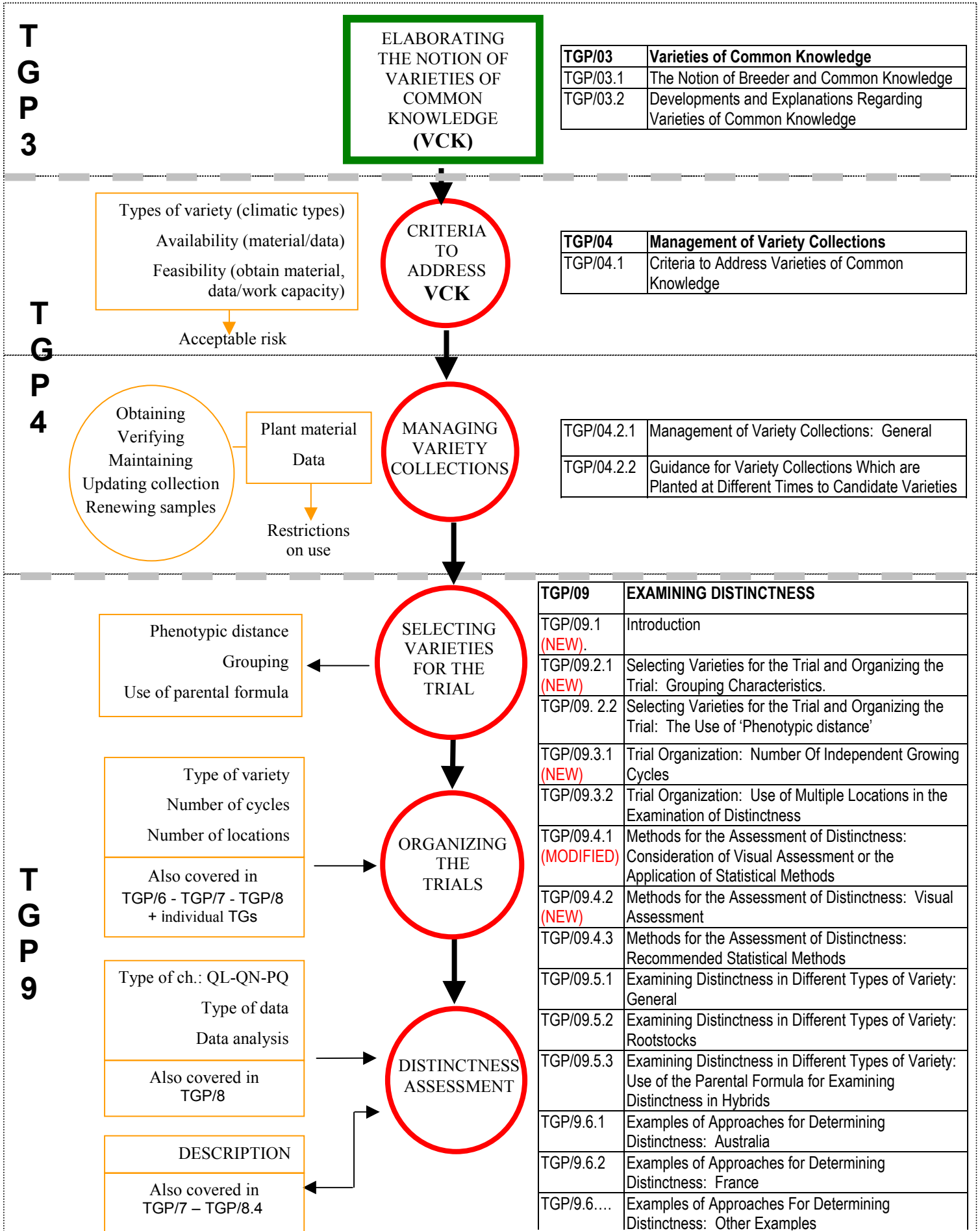
(a) the proposed restructuring of TGP/3, TGP/4 and TGP/9, presented in Annex II, and;

(b) the program for the development of TGP documents, included in Annex III.

[Annex I follows]

ANNEX I

SCHMATIC OVERVIEW OF TGP/3, TGP/4 AND TGP/9



ANNEX II

Proposed restructuring of TGP/3, TGP/4 and TGP/9

TGP/3 VARIETIES OF COMMON KNOWLEDGE¹

3.1. The Notion of Breeder and Common Knowledge

TGP/4 MANAGEMENT OF VARIETY COLLECTIONS

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 acceptable risk in the establishment of variety collections

4.1.3 Factors to be considered when establishing variety collections

Types of variety (climatic types)

Availability (material/data)

Feasibility (obtain material, data/work capacity)

4.2 Management of Variety Collections

4.2.1 General

4.2.1.1 Managing collections of plant material (obtaining, verifying, maintaining, updating/renewing samples)

4.2.1.2 Data management

4.2.1.3 Managing access to plant material and data (e.g. restrictions on use, transfer agreement)

4.2.2 Guidance for Variety Collections Which are Planted at Different Times to Candidate Varieties

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 Characteristics

9.2.1.1 Function of grouping characteristics

9.2.1.2 Criteria for grouping characteristics

9.2.1.3 Selecting grouping characteristics

9.2.1.4 Using grouping characteristics to select varieties for the growing trial and organizing the growing trial

¹ The TC agreed that the development of TGP/3 was a matter for the CAJ.

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 to select varieties for the growing trial and organizing the growing trial

9.2.2.4 The GAIA software

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 to use more than one location

9.3.2.2 Use of information from multiple locations in examining Distinctness

9.4 Methods for the Assessment of Distinctness

9.4.1 Consideration of Visual Assessment or the Application of Statistical Methods

9.4.2 Criteria to decide (type of variety/characteristic/data; precision, etc.)

9.4.3 Visual Assessment

9.4.3.1 Introduction (direct comparisons, use of standardised scales, etc. ...)

9.4.3.2 Visual assessment and types of varieties/characteristics/data

9.4.3.3 Use of randomized “blind” testing

9.4.4 Recommended Statistical Methods

9.4.4.1 Introduction

9.4.4.2 COYD

9.4.4.3 Others, etc.

9.5 Examining Distinctness in Different Types of Variety

9.5.1 General

9.5.1.1 Introduction (variation within a variety and distinctness assessment)

9.5.1.2 Self-pollinated varieties

9.5.1.3 Vegetatively propagated varieties

9.5.1.4 Cross-pollinated varieties

9.5.2 Rootstocks (Introduction - special features of rootstock varieties; two sets of characteristics)

9.5.3 Use of the Parental Formula for Examining Distinctness in Hybrids

- 9.5.3.1 Relevant aspects of hybrid breeding
- 9.5.3.2 The notion of parental formula
- 9.5.3.3 Assumptions of the method
- 9.5.3.4 The notion of “originality” of an inbred line
- 9.5.3.5 Conditions to be fulfilled when using the parental formula
- 9.5.3.6 Description of the hybrid

9.6 Examples of Approaches for Determining Distinctness:

- 9.4.5 Australia
- 9.4.6 France
- 9.4.7 Other

[Annex III follows]

