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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

TECHNICAL WORKING PARTY ON AUTOMATION AND COMPUTER PROGRAMS

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TGP/14 SECTION 3 STATISTICAL TERMS: COMMENTS FROM AUSTRALIA

Document prepared by experts from Australia

1.   At its forty-fourth session, held in Geneva from April 7 to 9, 2008, the Technical Committee discussed (TC) TGP/14: "Glossary of Technical, Botanical and Statistical Terms Used in UPOV Documents". The TC agreed that "Section 1: Technical Terms" should be updated with relevant terms from documents TGP/4 and TGP/9 and heard that Australia would make some suggestions to the Office in that respect.

2.   Australia proposes the inclusion of the following definitions in TGP/14 Draft 5 Section 3 Statistical terms:

Parametric statistics: refers to any statistical method that assumes the population fits a probability distribution (usually the normal distribution)

Non-parametric statistics: refers to any statistical methods that do not make assumptions about the underlying population distribution. May be used for quantitative scaled data where assumptions for parametric methods are not met. Often used for categorical data

Fishers Exact Test: a nonparametric statistical test used for assessing significance in categorical data where sample sizes are small (see Chi-Square)

Categorical variables: see Variables

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