

# codex alimentarius commission



FOOD AND AGRICULTURE  
ORGANIZATION  
OF THE UNITED NATIONS

WORLD  
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ORGANIZATION



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**Agenda Item 8 (d)**

**CX/PR 01/14**  
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## **JOINT FAO/WHO FOOD STANDARDS PROGRAMME**

### **CODEX COMMITTEE ON PESTICIDE RESIDUES**

**Thirty-third Session**

**The Hague, The Netherlands, 2-7 April 2001**

## **RECOMMENDATIONS FOR METHODS OF ANALYSIS**

### **PARAMETERS AND CRITERIA FOR THE ASSESSMENT OF THE SUITABILITY OF ANALYTICAL METHODS FOR CCPR PURPOSES**

*(Prepared by the Netherlands)*

#### **BACKGROUND**

1. In December 1997, FAO and IAEA jointly held an Expert Consultation on Validation of Analytical Methods for Food Control<sup>1</sup>. This consultation noted that there are cases in which collaborative or other inter-laboratory studies are impractical or impossible to carry out. In these cases the Consultation recommended that, under certain conditions, validation can be done in single laboratories. This would open the possibility of a more stringent way to apply or adapt the criteria: "collaboratively studied or known to have been validated in a large number of laboratories" and "capable of determining more than one residue". For example more than 100 compounds of the list can be analyzed by standard multi-residue methods as described in the national manuals of the USA, Germany and the Netherlands. The inclusion of methods with a much smaller scope seems to be superfluous for this particular group of compounds. It could therefore also be helpful to incorporate an hierarchy in the criteria. Two approaches to the problem of single lab validation have been

#### **PROPOSED PROCEDURE FOR PREPARATION OF A NEW LIST**

3. The Committee also should note that other Codex Committees such as the CCRVDF and CCMAS elaborate single laboratory validated methods, a problem for which a harmonized solution may be appropriate. The Committee might therefore consider to propose development by the Commission of a mechanism for ensuring harmonization, as appropriate, throughout Codex.

4. The CCPR may consider two recent documents that are intended to supply criteria for the selection of methods suitable for Codex purposes for single laboratory method validation:

Guidelines of the AOAC/FAO/IAEA/IUPAC Expert Consultation on Single-Laboratory Validation of Analytical Methods for Trace-Level Concentrations of Organic Chemicals, The Royal Society of Chemistry, London, 2000, Guidelines are also available at this URL:

[http://www.iaea.org/trc/pest-qa\\_val2.htm](http://www.iaea.org/trc/pest-qa_val2.htm)

Harmonized Guidelines for Single-Laboratory Validation of Methods of Analysis, available from IUPAC.

<sup>1</sup> Validation of Analytical Methods for Food Control, FAO Food and Nutrition Paper 68, FAO 1998