CODEX ALIMENTARIUS COMMISSION

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World Health Organization

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Agenda item 6 **CRD10**

Original Language Only

JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEX COMMITTEE ON METHODS OF ANALYSIS SAMPLING

40th Session

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REVISION OF THE *GUIDELINES ON MEASUREMENT UNCERTAINTY* (CXG 54-2004)

Comments of Mexico, Republic of Korea and Thailand

MEXICO

English

General

The acceptance sampling examples should not be part of the current guideline, due it only covers general aspects of measurement uncertainty.

General

Figure 1 should be part of the current guidelines as a support for the value of uncertainty use, in the measurement result interpretation.

General

Consider the inclusion of chapter 4 of GL50 in GL 54 as it serves as an orientation for accepting values of uncertainty

Español

General

Los ejemplos sobre muestreo de aceptación no deben formar parte de la guía ya que esta se ocupa solamente en aspectos generales de la incertidumbre de medida

General

La figura 1 debe ser parte de la guía ya que sirve como soporte para el uso del valor de la incertidumbre en la interpretación de los resultados de la medida

General

Considerar la inclusión del capítulo 4 de la GL50 en la GL 54 ya que sirve como una orientación para la aceptación de valores de la incertidumbre

REPUBLIC OF KOREA

The Republic of Korea suggests to include the two examples on acceptance sampling and Figure 1 (former Figure 5) in the guideline. However, the examples and figure can be moved to a separate appendix for simplification and improved readability of the guideline.

THAILAND

General Comments

1. We agree with the structure and format of the Draft Revised Guidelines on Measurement Uncertainty (CXG 54 – 2004) that appears in Appendix I of CX/MAS 19/40/6.

2. In our opinion, Guidelines on Estimation of Uncertainty of Results (CXG 59-2006), chapter 4 should not be included in CXG 54.

Specific Comments

- **Section: Terms and Definitions**

1) Terms and definitions that are relevant to measurement uncertainty should be referred to Guidelines on Analytical Terminology (CXG 72-2009).

2) Only terms and definitions relevant to measurement uncertainty should be included in CXG 54.

3) References that are not relevant to measurement uncertainty should be removed as follows:

- ISO 2859-1:2014 Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

- ISO 3951-1:2016 Sampling procedures for inspection by variables – Part 1: Specification of single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality characteristic and a single AQL.

- **Section: The use of measurement uncertainty in conformity assessment**

- paragraph 26

To avoid confusion, this paragraph should be revised to read:

"The influence of the measurement uncertainty on the interpretation of results is illustrated in the ***~~diagram~~ figure*** *below."*

- paragraph 28

This paragraph should be deleted to avoid confusion, as the relationship between other techniques mentioned in the paragraph and measurement uncertainty is ambiguous.

The other techniques, somehow is more relevant to sampling. Meanwhile, the references should be moved to Literature.

- Figure 1

Figure 1 should be moved and placed after paragraph 26 for better understanding.

- Note for Figure 1 (page 9)

1) The second Note

> "Note: It is important to note that each of the measurement uncertainty intervals displayed in Figure 1 are obtained from the measurement uncertainty ……
> ……in order for the lower limit of the associated measurement uncertainty interval to lie above ML (Situation i)."

This Note should be removed.

2) The third Note

> "Note: The implications of situations i to iii in the case of testing MRL compliance are extensively discussed in the Guidelines on estimation of ……
> ……
> measurement uncertainty is taken into account when assessing the conformity of a measurement against a legal limit".

This Note should be revised to provide more explicit description for situation ii and iii, since in these situations; it is important that the consideration of measurement uncertainty affects the conformity assessment and decision-making.

- **Section: The use of measurement uncertainty in sampling plans**

- Examples on acceptance sampling

Two examples on acceptance sampling should not be included in the guideline.