<u>FACILITATOR GUIDE</u>

Training on Proficiency Testing Scheme (GeneXpert DTS)

Module: 13 - Data collection and Analysis

Acknowledgements

This Module was prepared by Pius Lutaaya.

Part 13.0: Data collection and Analysis

OBJECTIVE: To acquit and refresh participants with the required knowledge to execute data analysis and be able to generate reports for participants

MATERIALS:
1. Handouts,
2. Slides
3. Computer
4. Over head projector
5. Flip chart
6. Markers and pens
7. Not books

TIMELINE: 45 Minutes

METHODOLOGY:
1. Lecture
2. Discussion

ADVANCE PREPARATION:
1. Printing notes,
2. Familiarize oneself with the slides
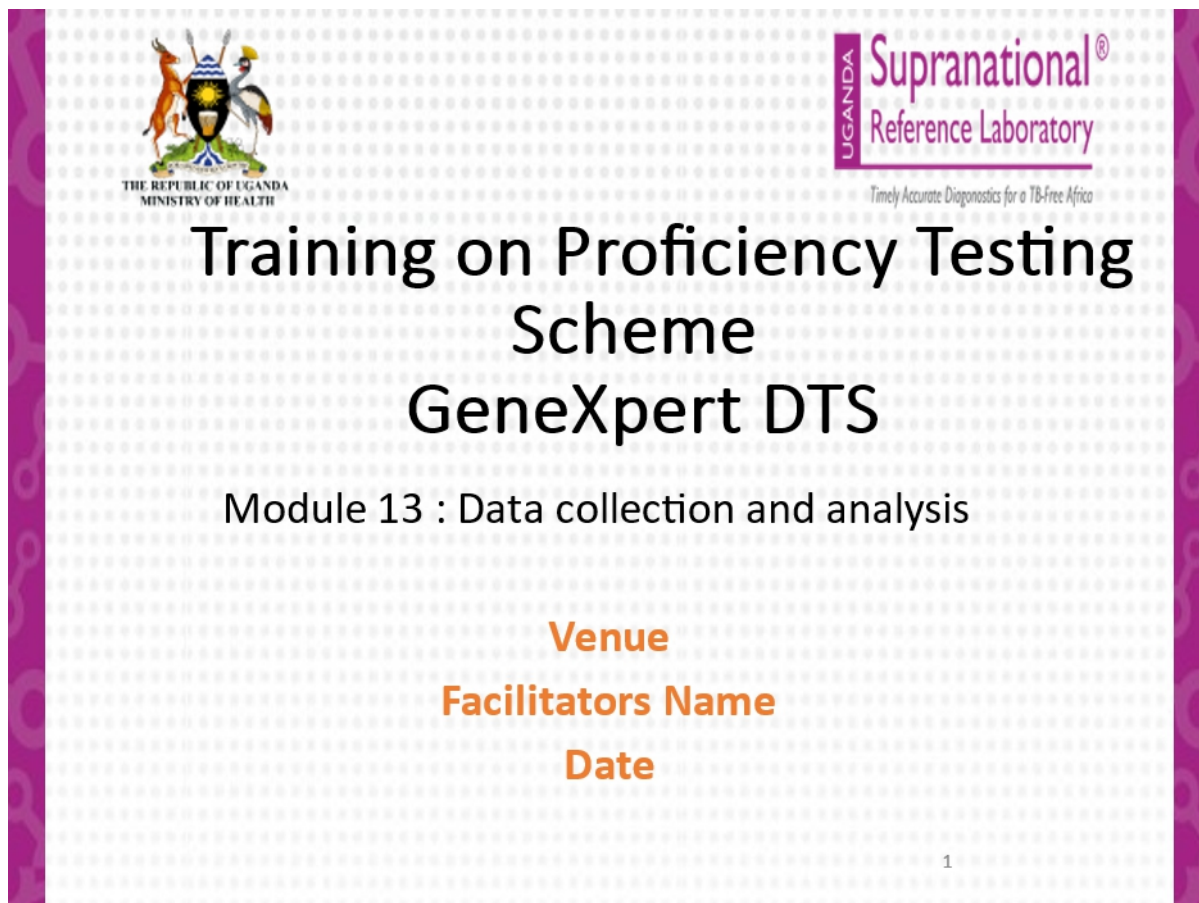
FACILITATORS STEP-BY STEP INSTRUCTIONS:
1. Welcome and Introduction
2. Present module overview
3. Ask question about module expectations
4. Distribute handouts
5. Start the presentation
6. Recap presentation using discussion questions
7. Ask if there is any question.

FACILITATORS NOTES
1. Make sure you go slow with the presentation as most of the participants may not be very conversant with the computer analytic spreadsheets and software.
2. Encourage some of the participants to answer some of the questions that may arise during the presentation as this may create active participation from most of the class.

3. Make sure you have enough computers and facilitators in the class where applicable during the practical sessions given the fact that the practical session will require close interaction with the participants.
4. Make sure adequate practical materials are available prior to start of the theory session because some of these materials may be required during the theory session.

SLIDE OF POWERPOINT PRESENTATION

SITUATION ANALYSIS/ EXERCISES

Participants will be provided with data sets to enter results into controlled excel worksheets , and analysis instructions.

ASSESSMENT REVIEW

1. What measurands are considered for the genexpert PT skin?
2. Outline the steps undertaken in analyzing genexpert PT results
3. Under what circumstances is apt panels excluded from analysis?

REFERENCES

- ISO 13528:2005, *Statistical methods for use in proficiency testing by interlaboratory comparisons*

- ISO Guide 34, *General requirements for the competence of reference material producers*

- ISO 17043:2010 Standard