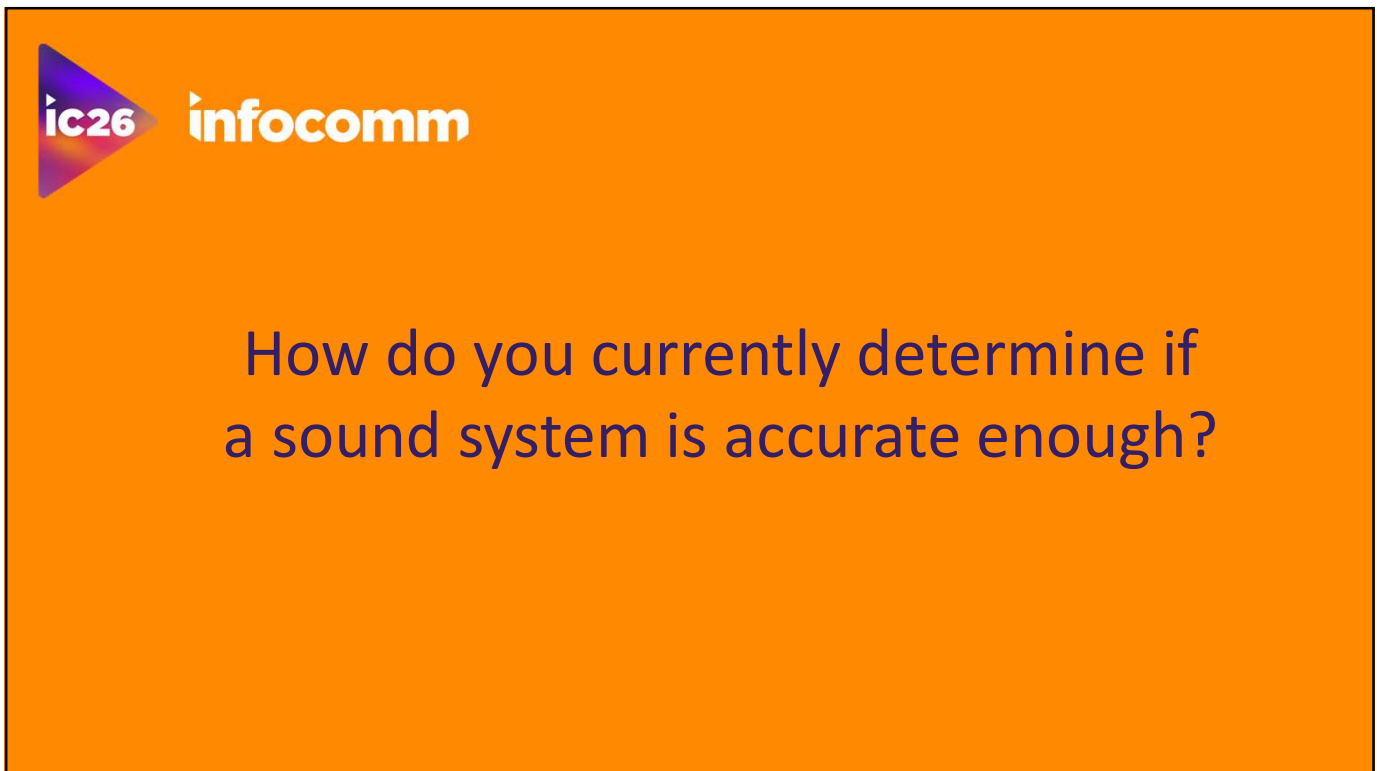




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2



Measuring Intelligibility: A STIPA Funfest!

Jeremy Elsesser, CTS-D, CTS-I, CQD, CQT

Jim Maltese, CTS-D, CTS-I, CQD, CQT

3



Jeremy Elsesser
CTS-D, CTS-I, CQD, CQT
President & CEO
Level 3 Audiovisual



James Maltese
CTS-D, CTS-I, CQD, CQT
VP of Quality Standards
Level 3 Audiovisual

4



A brief history of Intelligibility

- Harvard Sentences
- STI
- RASTI
- STI-PA

1965 Revised List of Phonetically Balanced Sentences (Harvard Sentences)

List 1

1. The birch canoe slid on the smooth planks.
2. Glue the sheet to the dark blue background.
3. It's easy to tell the depth of a well.
4. These days a chicken leg is a rare dish.
5. Rice is often served in round bowls.
6. The juice of lemons makes fine punch.
7. The box was thrown beside the parked truck.
8. The hogs were fed chopped corn and garbage.
9. Four hours of steady work faced us.
10. A large size in stockings is hard to sell.

5



Overview of Measurement Tools

- Source with STIPA Signal
 - Generator (NTi MR-PRO)
 - Speaker (NTi TalkBox)
- Calibrated Sound Meter with measurement microphone and STIPA Option installed (NTi XL2)



6



Overview of Measurement Process

1. Measure Background Noise (With Full Room)
 - Used for Ambient Noise Correction

2. Measure STI (with an empty Room – perhaps at night)
 - Using test plan for measurement positions
 - Minimum of 3 cycles per measurement position with deviation less than 0.03

3. Create STI Report

7



Overview of Measurement Process

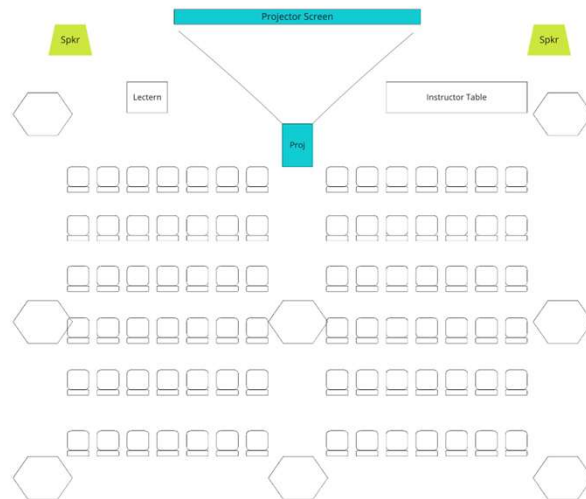


8



On to the fun - Measuring the room!

STIPA Test Plan



9



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Live Class Demonstration

The funfest begins...

10



Does a facemask impact intelligibility?



11



Does mic etiquette impact intelligibility?



12



Keep in Touch!

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13



We Value Your Feedback!

Please take a moment to complete the
session evaluation in the App

Thank you!

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14