PART 1  GENERAL

1.01  Audio Induction Loop Locations

A. As required by applicable Codes, Regulations, and University Policy

B. Auditoriums

C. Conference Rooms

D. “Smart Classrooms”

   1. List can be obtained from the UAF Office of Information Technology (OIT)

E. Teleconference rooms

F. Classrooms

PART 2  PRODUCTS

2.01  Audio Source (such as a Microphone)

2.02  Induction Loop Amplifier (Driver)

2.03  Copper “Loop” Cable and Fitting Accessories

2.04  Signage

PART 3  EXECUTION

3.01  Minimum Installation

A. Audio Induction Loop shall be designed and installed in accordance to IEC 60118-4.

   1. International Electrotechnical Commission’s standards for the performance of Audio Induction Loops

B. Upon completion of installation, contractor shall provide test results to show compliance to IEC 60118-4 in the following four (4) main areas:

   1. Field Strength

      a. Capable of 400mA/m RMS with 1kHz sine

      b. Variation of ≤ ±3dB over the required volume of use

   2. Frequency Response
a. Field strength variation of $\leq \pm 3$dB from 100Hz to 5kHz over the required volume of use

3. Background Noise

a. A-weighted background noise to be $< 47$dB

4. Subjective Test

a. Validation of system performance from hearing aid users

3.02 Provide signage including the following:

A. Informing area has assistive listening system installed including standard symbology (see attached photo)

B. Type of system

C. Contact information for obtaining information on the system (UAF OIT)

END OF SECTION