

## Animal Bioacoustics - S3/SC 1

Standards, specifications, methods of measurement and test, instrumentation and terminology in the field of psychological and physiological acoustics, including aspects of general acoustics, which pertain to biological safety, tolerance and comfort of non-human animals, including both risk to individual animals and to the long-term viability of populations. Animals to be covered may potentially include commercially-grown food animals; animals harvested for food in the wild; pets; laboratory animals; exotic species in zoos, oceanaria or aquariums; or free-ranging wild animals.

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### 1 S3/SC 1/WG02 Effects of Sound on Fish and Turtles

*Active*

To develop recognized, consensus Standards and/or ANSI Technical Reports on the effects of sound exposure on fish and turtles based on the best available science.

***Co-Chair, S3/SC 1/WG02*** A.N. Popper

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### 2 S3/SC 1/WG03 Towed Array Passive Acoustic Operations for Bioacoustic Applications

*Active*

Develop and maintain standards and recommendations for the use of passive acoustic monitoring (PAM) using towed arrays from surface vessels for bioacoustic mitigation or monitoring. Communication and liaison with other ANSI WGs that may use these standards.

***Chair, S3/SC 1/WG03*** A.M. Thode

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**3 S3/SC 1/WG04 Description and Measurement of the Ambient Sound in Parks, Wilderness Areas, and Other Quiet and/or Pristine Areas**  
*Active*

Develop and maintain standards for the description and measurement of the ambient sound in parks, wilderness areas, and other quiet and/or pristine areas. Including methods for describing the natural soundscape, and assessing the impact on wildlife. Maintain communication and liaison with related ANSI WGs, in particular S12/WG 15, relevant US regulatory agencies and relevant international standards committees.

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**4 S3/SC 1/WG05 Noise and Vibration in Animal Laboratory Facilities**  
*Active*

Develop and maintain standards, guidelines, and technical reports for the design, construction, and evaluation of noise and vibration and their effects in facilities conducting laboratory animal research. Maintain communication and liaison with related ANSI WGs, relevant US regulatory agencies and relevant international standards committees.

**Co-Chair, S3/SC 1/WG05 G.M. Glickman**

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**5 S3/SC 1/WG06 Auditory Evoked Potential Testing of Toothed Whale Hearing**  
*Active*

Develop and maintain standards for measurement procedures used to test the hearing sensitivity of odontocete cetaceans (i.e. toothed whales) via evoked potential methods, including data collection and reporting methods, analyses, and hearing threshold calculations. Maintain communication and liaison with related ANSI WGs, relevant US regulatory agencies and relevant international standards committees.

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**6 S3/SC 1/WG07 Acoustic Metadata for Passive Acoustic Monitoring**

*Active*

Develop and maintain metadata standards to represent information about passive acoustic monitoring deployments and descriptions of bioacoustic, anthropogenic, and natural signals contained within passive acoustic recordings.

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**7 S3/SC 1/ADV1 S3/SC 1 Advisory Group**

*Active*

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