

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/WG01 Animal Bioacoustics Terminology

Active

Summary reports, standards and guidelines concerning terminology related to animal bioacoustics. Animals to be covered may potentially include commercially-grown food animals; pets; laboratory animals; exotic species in zoos, oceanaria or aquariums; or free-ranging wild animals.

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2 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.

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3 S3/SC 1/WG03 Underwater Passive Acoustic Monitoring for Bioacoustic Applications*Active*

- (1) Methods for recording and reporting underwater acoustic data.
- (2) Minimum capabilities of passive acoustic monitoring hardware.
- (3) "Good practice" recommendations for mitigation and monitoring activity.

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

To develop standards on the description and measurement of the ambient sound in park, wilderness area, and other quiet and/or pristine area for (1) describing the natural soundscape, and (2) assessing impacts on wildlife. This WG will perform much of its work jointly with S12/WG 15, and the WG will develop one or more draft standards dealing with such topics as: a) what constitutes the ambient in a park, wilderness area, or other quiet and/or pristine area? b) What metric (frequency weighting or filter) should be used in various situations? c) What time weighting and/or measurement interval(s) should be used in various situations? d) How should the data be measured or predicted in various situations? e) Where? f) When? g) How long? h) Why? For What purpose? i) How should the data be recorded and reported?

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