



Report to CCAUV11 from ISO TC43 SC3, September 2017

Work programme

The work programme of ISO TC43 SC3 is as follows:

Reference	Document title	Reg. date	Stage date	Publication date	Committee	Project leader
ISO/NP 20073	Standard-target method of calibrating active sonars for imaging and measuring scattering	2014-10-15	2014-10-15		ISO/TC 43/SC 3/WG 4	Footle, K.G. Dr.
ISO/DIS 17208-2	Underwater acoustics -- Quantities and procedures for description and measurement of underwater noise from ships -- Part 2: Determination of source levels from deep water measurements	2014-06-20	2017-08-14		ISO/TC 43/SC 3/WG 1	Wu, Wenwei Mr
ISO/NP 17208-3	Underwater acoustics -- Quantities and procedures for description and measurement of underwater noise from ships -- Part 3: Requirements for measurements in shallow water	2016-06-27	2016-06-27		ISO/TC 43/SC 3/WG 1	Robinson, Stephen
ISO/PWI 17208-4	Underwater acoustics -- Quantities and procedures for description and measurement of underwater noise from ships -- Part 4: Survey method for deep water		2016-06-27		ISO/TC 43/SC 3/WG 1	
ISO 18405:2017	Underwater acoustics -- Terminology	2012-10-19	2017-04-25	2017-04-25	ISO/TC 43/SC 3/WG 2	Ainslie, M. Mr.
ISO 17208-1:2016	Underwater acoustics -- Quantities and procedures for description and measurement of underwater sound from ships -- Part 1: Requirements for precision measurements in deep water used for comparison purposes	2014-05-02	2016-03-21	2016-03-21	ISO/TC 43/SC 3/WG 1	Bahtiarian, M.A. Mr.
ISO/PWI 20797	Underwater acoustics -- Measurement of ambient sound		2015-06-11		ISO/TC 43/SC 3	
ISO 18406:2017	Underwater acoustics -- Measurement of radiated underwater sound from percussive pile driving	2012-11-02	2017-04-25	2017-04-25	ISO/TC 43/SC 3/WG 3	Robinson, Stephen
ISO/PWI 20800	Underwater acoustics -- Calibration of autonomous acoustic receiver/recorder systems		2015-06-11		ISO/TC 43/SC 3	

Working Group Activity

TC43 SC3 consists of four Working Groups.

WG1: Measurement of noise radiated by ships (Convenor: M Bahtiarian, US)

ISO 17208-1: Quantities and procedures for description and measurement of underwater sound from ships – part 1: Requirements for deep water measurements used for comparison purposes

- Led by USA
- **published in April 2016**

ISO 17208-2: Quantities and procedures for description and measurement of underwater sound from ships – Part 2: Determination of source level from deep water measurements

- Led by China
- DIS submitted in February 2017
- Publication date likely to be early 2018

ISO 17208-3: Quantities and procedures for description and measurement of underwater sound from ships – Part 2: Determination of source levels from shallow water measurements

- Led by UK
- WD circulated in September 2017

A potential new work item has been registered with WG1: ISO/PWI 17208-4 Underwater acoustics -- Quantities and procedures for description and measurement of underwater noise from ships -- Part 4: Survey method for deep water

ISO DIS 16554.3 (Joint Working Group with TC43 & TC8) – draft standard has now been withdrawn and the joint working group disbanded.

WG2: Underwater acoustic terminology (Convenor: Michael Ainslie, NL)

ISO 18405 – Underwater Acoustics - Terminology

- work led by The Netherlands (Michael Ainslie)
- **published in April 2017**

WG3: Measurement of radiated noise from marine piling (Convenor: Stephen Robinson, UK)

ISO 18406: Measurement of radiated underwater sound from percussive pile driving

- led by UK
- **published in April 2017**

New work items are being considered by WG3, including a standard on the effectiveness of barrier mitigation methods, and a standard on measurement of particle motion and/or seabed vibration.

WG4: Standard target of calibrating active sonar (Convenor: Ken Foote, USA)

ISO 20073: Standard-target method of calibrating active sonars for imaging and measuring scattering

- led by USA
- WD to be circulated in October 2017

Possible future work items for ISO TC43 SC3

The PWIs on the work programme are listed below.

- ISO/PWI 20797 Underwater acoustics -- Measurement of ambient sound
- ISO/PWI 20800 Underwater acoustics -- Calibration of autonomous acoustic receiver/recorder systems
- ISO/PWI 17208-4 Underwater acoustics -- Quantities and procedures for description and measurement of underwater noise from ships -- Part 4: Survey method for deep water

Meetings

ISO TC43 SC3 met for the fifth time at NPL, Teddington, UK in June 2016.

Next meeting

The next meeting of ISO TC43 SC3 will be at Woods Hole Oceanographic Institute, USA, in October 2017.

ISO TC43 SC3: participating countries

Canada (SCC)	[P]
China (SAC)	[P]
Denmark (DS)	[P]
France (AFNOR)	[P]
Germany (DIN)	[P]
Italy (UNI)	[P]

Japan (JISC)	[P]
Korea, Republic (KATS)	[P]
Netherlands (NEN)	[P]
Norway (SN)	[P]
Russian Federation (GOST R)	[P]
United Kingdom (BSI)	[P]
USA (ANSI)	[P]

Finland (SFS)	[O]
New Zealand NZSO)	[O]
Poland (PKN)	[O]
Spain (UNE)	[O]
Sweden (SIS)	[O]

S P Robinson, NPL
4th September 2017.