



ISO/TC 28/SC 2 "Measurement of petroleum and related products"

Secretariat: **BSI** 

Committee manager: Coshall Philippa Ms



# Minutes - ISO TC28SC2 September 2024

Document type	Related content	Document date Expected action	
Meeting / Minutes	Meeting: VIRTUAL 11 Sep 2024	2024-09-15	



# **MINUTES**

Number and title of Committee		
ISO TC28/SC2 - Measurement of petroleum and related products		
Secretariat BSI	Meeting	
Committee Manager	Meeting dates: 11/09/2024	
Philippa Coshall	12-13:30 BST	
Host Place		
rChairman – Mark Jiskoot	Address:	
	Microsoft Teams	
	https://teams.microsoft.com/l/meetup- join/19%3ameeting_YjlwYmM3OGUtZDI0My0 0MDhILTIIMGItMjhkMjg3NDc1NTA4%40threa d.v2/0?context=%7b%22Tid%22%3a%22cb2 1636d-6952-4ac8-b8aa- 59d2f6cb6a16%22%2c%22Oid%22%3a%223 3fdf270-cb1d-4e89-a165- 262e5bb63d9d%22%7d	
	Tel: Click here to enter text.	

Additional relevant information on meetings can be found:

- My ISO job
- TMB/SMB Guidance on effective virtual and hybrid meetings
- ISO Helpdesk knowledge base
- ISO/IEC Directives, Part 1, Clause 4 and Annex SK

Please note that the use of <u>ISO Meetings</u> is mandatory. Please remind your committee members that they have to be registered to be able to participate. Once you have circulated the agenda, ensure ISO Meetings is updated accordingly (i.e.: Ticking of the tasks).

#	Items	
1.	Opening of the meeting	
	The SC2 Chairman opened the meeting.	
2.	Welcome from host	
	SC2 attendees were welcomed and thanked for their participation in the meeting.	

# 3. Roll call of delegates

# A list of attendees can be found below:

Title	First Name	Last Name	Representing
Mme	Geneviève	Cazaux	AFNOR (France)
М.	Stéphane	Connan	AFNOR (France)
Ms	Philippa	Coshall	ISO/TC 28/SC 2
Ms	Heather	Fitzgerald	ISO/TC 28/SC 2/WG 12
Mr	Alexander	Gorchev	GOST R (Russian Federation)
Mr	Richard	Halldearn	TIC (Guest attendee)
Mr	Mark	Harrison	ISO/TC 28/SC 2/WG 10
Mr	Mark	Jiskoot	ISO/TC 28/SC 2
М.	Philippe	Joly	AFNOR (France)
Mrs.	Barbara	Klug-Santner	ASI (Austria)
Ms	Shanshan	Kong	SAC (China)
Ms	Annika	Koningen	SIS (Sweden)
Mme.	Katell	Le Mapihan	AFNOR (France)
Mr	Zaiyang	Luo	SAC (China)
Ms	Elane	Ng	ISO/TC 28/SC 2/WG 13
Mr	Mike	Oaks	BSI (UK)
Mr	Muhammad Aufa	Rafie	BSN (Indonesia)
М.	Bernard	Schaffner	AFNOR (France)
Mr	Khen Hee	Seah	ISO/TC 28/SC 2/WG 13
Mr	Richard	Silva	ABNT (Brazil)
Mr	Ariel	Sluszny	SII (Israel)
Mr	Hanno	Van Den Kerchove	ISO/TC 28/SC 2/WG 9
Mr	Candra	Wayana	BSN (Indonesia)
Mr.	Yoga	Wedhaswara	BSN (Indonesia)
Mr	Xueteng	Zhang	SAC (China)

## 4. Work environment: <u>Presentation</u> on the ISO Code of Ethics and Conduct

Direct **link** to the ISO Code of Ethics and Conduct

The ISO slides referring to the Code of Ethics and Conduct were presented and shared with SC2.

# 5. Approval of the agenda

The agenda was previously circulated and is also available on the ISO Portal (N1181). No objections were received. Agenda was approved. A link to the agenda is below:

• Agenda - ISO TC28/SC September 2024 Meeting - Documents

## 6. Approval of previous meeting minutes and Update on previous resolutions

The previous meeting minutes were circulated and are available on the ISO Portal (N1061). No objections were received, and the previous minutes were accepted and approved. A link to the previous minutes is below:

• Minutes of ISO TC28/SC2 Meeting - September 2022 - Documents

Updates to the previous meeting resolutions was discussed. A list of the previous resolutions are available on ISO portal (N1092). A link to resolutions from the SC2 2022 meeting is below:

Resolutions from ISO TC28/SC2 September 2022 – Documents

Updates are summarised in the table below

Previous meeting resolutions for ISO TC28	2024 Updates	
Request to ISO to check links provided for virtual meetings due to previous login issues.	Complete - ISO Central Secretariat contacted previously	
From WG 5 (Arthur Kay) - To raise with ISO/ TC28 and check if this is possible to create a brief introduction to an ISO designated standard and simply refer the users to the generally accepted National, for example EI/ASTM/API/OIL etc.	Proposal rejected – by ISO general terms.	
Request ISO petition NSB's to requalify all experts on a cyclic basis. Too many experts are non-responsive, and several are known to have retired. Suggest a proposal that if an expert	Resolution remains open and active.	
repeatedly fails to either respond or vote on issues, that they be removed from roster and NSB be requested to replace.	Resolution 1 – Philippa Coshall to contact NSB's to ask them to requalify experts and keep the ISO WG lists up to date.	
Request for ISO to notify liaisons of WG's raising NWIP's to ensure work is not being duplicated.	Completed – ISO provides monthly updates of NWI's.	
Heather Fitzgerald to check the status of the request for TC28 to transfer TR19441 (density/temperature relationships for fuels) to SC 2/WG 12.	Resolution closed as document sits under TC28. Not enough experts.	
Request for SC2 to approve the decision that 7278-4 should be withdrawn as its content is covered in 7278-2.	Complete	
Request to TC-30 liaison (Richard Paton) to issue report on work that may be of interest to TC28 from TC 30 - Philippa Coshall to circulate report.	Complete	
Request for experts within SC2, concerning ISO 9200 - particularly experts with experience of high viscosity applications with Coriolis and Ultrasonic meters.	Complete – ISO 9200 Published	
Members interested joining the EI working group for ISO 3170/IP475, should contact Philippa Coshall	Complete – Document completed DIS	
Call for experts required to form an ISO 3171/IP476 working group. Specifically, CFD specialists for extension of process range calculations for pipeline mixing.	Work ongoing, members to contact Mark Jiskoot if they would like to join the WG.	
NWI: WG 12 (Density Determination) update – Online Density Measurement. To be opened as NWI and call for experts initiated. SC2 needs to agree where to put the project - WG4/WG 11/WG12 or form a new working group which would focus on online analyser implementation (for example WCA or Density meters) and integration directly into process or sample loops.	See Resolution 11	
NWI proposal (Four presented by China) – methods proposed by mirror committee of ISO/TC28/SC2 in China should contact	The first project (WDDM) has been closed as not enough	

Projects are listed below:  Crude petroleum and liquid petroleum product—Laboratory determination of density—Weighing digital liquid density meter (WDDM)  Petroleum and liquid petroleum productsCalibration of spherical tankExternal electro-optical distance-ranging method Petroleum and liquid petroleum productsDirect measurement of density in tankPortable electronic densitometer method  Petroleum and liquid petroleum productsDirect measurement of density in tank—Automatic tank densitometer method  All four NWIPs to be allocated to appropriate SC2 WG's for evaluation and balloting as to whether NWI's shall be raised.	experts were available to support the project. The 2 <sup>nd</sup> project has been opened under WG9 as ISO 23505. Resolution 2 – Philippa Coshall to find out the current status of 2 projects proposed by China in 2022 - Portable electronic densitometer method and Automatic tank densitometer method.
Amendment of 12917-1 to be opened as a NWI under WG9 with Philippe Joly as the project leader	Open. Project submitted as DIS.
Amendments of ISO 3675 and ISO 3838 under TC28/SC2/WG12, to be opened as NWI's.	Complete – 3838 is published. 3675 is ongoing

# 7. Appointment of the resolution drafting committee

Heather Fitzgerald and Philippa Coshall volunteered to keep note of the resolutions agreed during the meeting.

## 8. ISO/CS Update to ISO/TC 28 and Sub committees

Kirsi Silander – ISO Technical Programme Manager was unable to attend the SC2 plenary meeting but has provided some slides on OSD - online standards development. The Slide pack is available on the ISO system for members to review (<u>ISO CS update to ISO TC 28 and SCs 2, 4, 5 and 7 - September 2024 - Documents</u>).

A short summary is below as well as the available links for training.

The OSD is a tool is used for collaborative authoring, member commenting, comment resolution and consensus building as well as ISO/CS editing.

The new tool aims to make things easier, assisted authoring which can make including references easier. The process and directives are the same but where you writing the standards/developing the content is different.

There are opportunities to learn how to use the tool and virtual training for technical experts/online live sessions. These are all available on the ISO helpdesk knowledge base.

- OSD Virtual Resource Orientation Sessions
- OSD Online eLearning Courses for Leaders
- OSD Virtual Skill Bite Trainings
- OSD Training videos for Voters and NMC Secretaries
- OSD Training exercises for authors

Resolution 3 – Philippa Coshall to share links for training sessions to SC2.

OSD - Virtual Resource Orientation Sessions - ISO helpdesk knowledge base

OSD - Training and resources - ISO helpdesk knowledge base

https://youtu.be/6CYfYvZWWUY - training video

## 9. Subcommittee report

### Review of TC28 and TC28 SC2 Scope

ISO/CS requested that each ISO subcommittee produces a scope with the intention of publishing these on the ISO website. The ISO website currently only displays the TC 28 and SC 7 scope: <a href="https://www.iso.org/committee/47356.html">https://www.iso.org/committee/47356.html</a>.

The current TC28 scope can be found using the link above and has been included in the meeting slides.

Resolution 4 – Philippa Coshall/ Mark Jiskoot to contact TC28 secretary – Considerations to include alternative fuels, biofuels and FAME. This may be covered by point 3 (of TC28 Scope) - Non-petroleum based liquid and liquefied fuels from natural or synthetic sources, but the committee asks that this can be made clearer/ more specific.

The first draft for the SC2 scope is below and is included in the slide pack:

- SC 2 provides standards for the static and dynamic measurement of quantity and quality at process conditions and calculations to standardised net volumes.
- The standards developed include the calibration of the associated measurement devices.
- Methods for physical sampling both in-line and within tanks and vessels to determine quality.
- The incorporation of some analytical measurements (Density/Water content) are also within remit.

SC2 has requested time to comment on the proposed scope for SC2, before this is finalised.

Resolution 5 – Philippa Coshall to email the proposed scope to SC2 for comment/approval.

ISO TC28/SC2 – specific documents: List of SC2 documents due for systematic review

Documents due for SR in 2024 are listed below. SC2 Members are reminded to vote on the upcoming ballots.

- ISO 10336:1997 Crude petroleum Determination of water Potentiometric Karl Fischer titration method
- ISO 10337:1997 Crude petroleum Determination of water Coulometric Karl Fischer titration method
- ISO 9030:1990 Crude petroleum Determination of water and sediment Centrifuge method
- ISO 9029:1990 Crude petroleum Determination of water Distillation method
- ISO 11223: 2004 Petroleum and liquid petroleum products Direct static measurements — Measurement of content of vertical storage tanks by hydrostatic tank gauging
- ISO 4269:2001 Petroleum and liquid petroleum products Tank calibration by liquid measurement — Incremental method using volumetric meters

The SR ballot for **ISO 11563** - Crude petroleum and petroleum products — Bulk cargo transfer — Guidelines for achieving the fullness of pipelines, is open and closes in December 2024. SC2 members have noted that this standard has been removed as a reference from many ISO documents as members believed it was obsolete. Members believe it should be withdrawn as HM64/API 17.5 is used and updated more frequently.

## Resolution 6 - ISO 11563 to be withdrawn.

SC2 to vote on the documents due for SR in 2024.

## Documents due for SR in 2025

- ISO 8222:2020 Petroleum measurement systems Calibration Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials)
- ISO 13739:2020 Petroleum products Procedures for the transfer of bunkers to vessels

ISO 13739 – will be discussed at the WG13 meeting.

## 10. Working Groups reports (Status of all current work items and actions to be taken)

Specific document updates are noted in the presentation used during the meeting (<u>Slide Pack - ISO TC28.SC2 - Sep 11 2024 - PDF - Documents</u>), please use the link for further information. *Only specific details/new updates and resolutions are noted below.* 

#### WG4

 General comment from WG4 Convenor – Suggestion for SC2 to look at the titles of all documents (but especially WG4 documents) and alter at next revision to a consistent format. This comment has been received from other SC2 WG convenors.

Resolution 7 – Philippa Coshall to look into if there is a standard format for titling documents or guidance available and share with SC2.

 Suggestion for NWI – Amendment to ISO 7278-2 - Petroleum measurement systems — Part 2: Pipe prover design, calibration and operation. No objections received from SC2.

Resolution 8 – Philippa to submit a resolution for ISO 7278-2 to be opened for amendment.

There are no active work items under WG4, apart from the newly suggested amendment above. Richard wishes to step down as convenor of WG4 but is still happy to support the amendment of ISO 7278-2. A new convenor of WG4 will be required to keep the group open and support new work items. For more information see 12. Below.

#### WG5

 The WG5 convenor suggested that ISO 4269 -2 could be opened as a NWI and supported by WG9 and WG10.

Resolution 9 – WG5 convenor to reach out to the WG to see if there is interest in revising ISO 4267-2, a request for experts to support the revision can be launched to SC2 if required.

If the project is opened as a NWI, the WG5 convenor must complete a form 4 (<u>ISO - ISO forms, model agendas, standard letters</u>) for ISO 4269-2 to be opened as a new work item under WG5. supported by WG9 and WG10.

#### WG9

Please see Slide pack

#### **WG10**

Please see Slide pack

#### WG11

 ISO 3170 – DIS comments have been addressed by WG11. 2 figures need to be redrawn before the document can be submitted for FDIS. The ISO drawing specialist has been contacted.

Resolution 10 – Philippa Coshall to contact the ISO drawing specialist for an update on the redrawing of the figures for ISO 3170.

**NOTE** – API 10.10 manual sampling methodology to be considered in the next revision of ISO 3170

#### WG12

Heather has noted that no comments were submitted on the CD for ISO 3675

## Resolution 11 - Philippa Coshall to submit ISO 3675 for DIS.

- ISO 9857. "Petroleum and liquid petroleum products Continuous density measurement" never got past the DIS stage in 1995.
- That document is now out-of-date and does not match current practice.
- The UK Energy Institute produced their document HM8 "Continuous density measurement"
   2<sup>nd</sup> ed 2019 and the EI have kindly given permission for that document to be used as a starting point for any ISO standard that is produced.

#### Questions for SC2

- Is there interest in starting a New Work Item on this subject?
- And if so 1. Can a request for experts be submitted to SC2?
- Should this be under TC28 / SC2 / WG12, or another working group?

Resolution 12 – Heather to send an email to WG12 asking for interest in a new document on Continuous density measurement. If WG12 is interested, a request to SC2 for experts can be submitted.

If a new document is produced on Continuous density measurement under WG12, Heather is willing to support as convenor of WG12.

### **WG13**

- ISO 6996 and ISO 6963 are both published under WG13. They will both be promoted at the Singapore International Bunkering Conference (SIBCON) on 8 Oct 2024 -<a href="https://www.sibconsingapore.gov.sg/">https://www.sibconsingapore.gov.sg/</a>
- WG 13 proposed for an early review of ISO 22192 to align with the published ISO 6963 & ISO 6996.
- WG 13 has also made a request to ISO/TC 8/SC 3 to review ISO 21562:2020 (Ships and marine technology — Bunker fuel mass flow meters on receiving vessel — Requirement) in tandem with ISO 22192 review.
- Information on Exploratory projects can be found in the Slide pack.

Resolution 13 – WG13 to complete a Form 4 – NWI for ISO 22192 which will then be submitted to SC2 for approval.

#### **WG14**

No update

Resolution 14 – All convenors to upload and maintain their working group documents on the ISO system. By regularly updating the working group area, members can be kept up to date on all new activity, ensuring transparency. All meetings should also be registered on the ISO platform.

## 11. Work items

New areas of work

Items have been listed under WG reports above.

• New technologies that require development of standards.

# 12. Reappointment of convenors

Convenor terms (SC2 and WGs)

• The SC2 convenor terms are listed below.

Working Group	Title	Convenor	Term Ends
SC2	Petroleum and petroleum	Mark Jiskoot	Last ballot was 2020
	related products		
WG4	Metering and meter calibration	Richard Paton	End of 2024
WG 5	Calculation of petroleum	Genevieve	End of 2026
WG 5	quantities	Cazaux	
WG 9	Tank calibration	Hanno Van Den	End of 2025
VVG 9		Kerchove	
WG 10	Tank Measurements	Mark Harrison	End of 2024
WG 11	Sampling	Mark Jiskoot	End of 2024
WG 12	Density determination	Heather Fitzgerald	End of 2024
WG 13	Marine bunkering	Khen Hee Seah	End of 2026
WG 14	Cargo quality assessment	Abid Dungarwalla	End of 2024

- Richard Paton wishes to step down as WG4 convenor but is willing to stay on the WG as an expert and support the amendment of ISO 7278-2.
- Multiple SC2 members have expressed they would like to keep WG4 open, a new convenor will have to be found to keep the group open.

## Resolution 15 – Request to find a new convenor for WG4.

- Mark Harrison is happy to stay on as convenor of WG10.
- WG's without active work items may need to be closed.

## 13. Liaison reports

A liaison report was provided by ISO/TC 193/SC 3, the slides are available in the slide pack.

## 14. Next TC, SC and WG meetings

Members were reminded of the two meetings below.

- ISO Annual Meeting Cartagena de Indias, 9-13 September 2024
- ISO TC 28 23-27th September India New Delhi

15.	Any other business	
	None	
16.	Approval of resolutions	
	The resolutions above were listed and approved by SC2.	
17.	Closure of the meeting	