

**Minutes** of a meeting of the Association’s IMCA Offshore Survey Committee, held on 2 October 2024 from 13:00 BST Online.

## 1 Competition law compliance policy

The IMCA Competition Law Compliance Policy, which had been circulated with the meeting agenda, was drawn to the attention of all present.

## 2 Welcome and apologies for absence

Roger welcomed the below committee to the meeting and read the competition law.

Formal apologies for absence had been received and recorded below

First	Last	Company	Position	Email	27/03/24	3/7/24	2/10/24
Mike	Clark	Subsea 7	Chair	<a href="mailto:Mike.Clark@Subsea7.com">Mike.Clark@Subsea7.com</a>	Yes	Yes	Yes
Dave	Matthews	TechnipFMC	Vice-Chair	<a href="mailto:m">m</a>	Yes	Yes	Yes
Gordon	Brown	Andrews		<a href="mailto:gordon.brown@andrewssurvey.com">gordon.brown@andrewssurvey.com</a>	Yes	Yes	Yes
John	Chatten	Fugro	SA representative	<a href="mailto:john.chatten@fugro.com">john.chatten@fugro.com</a>	Yes	Yes	Apol
Ian	Ellis	3D at Depth		<a href="mailto:ian.ellis@3datdepth.com">ian.ellis@3datdepth.com</a>	N/A	Apol	Yes
Tristan	Fleury	Saipem		<a href="mailto:Tristan.Fleury@saipem.com">Tristan.Fleury@saipem.com</a>	N/A	Yes	Yes
Scott	Howden	DOF ASA		<a href="mailto:Scott.Howden@dof.com">Scott.Howden@dof.com</a>	Yes	Yes	Yes
Paul	Mcbride	Fugro		<a href="mailto:p.mcbride@fugro.com">p.mcbride@fugro.com</a>	Yes	Apol	Apol
Kate	McCubbin	Oceaneering International		<a href="mailto:kmccubbin@oceaneering.com">kmccubbin@oceaneering.com</a>	N/A	Yes	Apol
Julian	Nelson	Oceanscan	C&T representative	<a href="mailto:julian.nelson@oceanscan.co.uk">julian.nelson@oceanscan.co.uk</a>	Apol	Yes	Yes
Arnold	Niessen	Boskalis		<a href="mailto:arnold.niessen@boskalis.com">arnold.niessen@boskalis.com</a>	Yes	Yes	Yes
Michiel	Van de Munt	Allseas		<a href="mailto:mvm@allseas.com">mvm@allseas.com</a>	Yes	Yes	Yes
Simon	Waterfield	Sonardyne		<a href="mailto:Simon.Waterfield@sonardyne.com">Simon.Waterfield@sonardyne.com</a>	N/A	Yes	Apol
Torsten	Marten	UTEC Survey, Inc.		<a href="mailto:torsten.marten@utecsurvey.com">torsten.marten@utecsurvey.com</a>	Apol	Apol	Yes
Shepard	Smith	XOCEAN Ltd	NA Representative	<a href="mailto:shep.smith@xocean.com">shep.smith@xocean.com</a>	N/A	N/A	Yes
Aaron	Bainbridge	Subsea7	APAC Representative	<a href="mailto:Aaron.Bainbridge@subsea7.com">Aaron.Bainbridge@subsea7.com</a>	Apol	Apol	Apol
Roger	Moore	IMCA	Technical Adviser	<a href="mailto:Roger.moore@imca-int.com">Roger.moore@imca-int.com</a>	Yes	Yes	Yes

## 3 Minutes of the previous meeting

### 3.1 Approval of the minutes

The minutes were agreed and would be signed as an accurate record by the Chair.

### 3.2 Matters arising from minutes not covered by the agenda

Nothing was raised at the meeting.

## 4 Presentation by Sonardyne on Fusion 2

A presentation was given to the committee by Graham Brown, Liz Van Rossum & Stuart Slade on Sonardyne and the Fusion 2 Product as well as challenges and issues that has been experienced with Fusion 2. This was not recorded or transcribed and will not be minuted in any detail. Thanks were given to Sonardyne after the presentation.

## 5 IMCA Updates

### 5.1 Operations Committee

Mike will follow up with the committee once the last minutes of that meeting are published.

### 5.2 Regional Committee's

Regional SA: John Chatten sent apologies and no update received.

Regional NA: A welcome was supplied to Shep Smith, our new NA representative, he then introduced himself and gave a brief account of his background. We look forward to his input and an update from him at the next meeting. Otherwise, Nothing to report

Regional APAC: Nothing to report

Regional ME&I: Nothing to report

### 5.3 Divisional Committee

Update from Julian was read out with updates on where the C&T committee were on the below:

- **C018** (Basic Offshore safety training) WG has concluded question sets and Values and moving on to document structure with agreement from all parties to adopt C018 as common ground. Lobbying to government on Visa issues for temp offshore workers as well is ongoing.
- **New Members:** Julian advised that C&T now have another 3 members on a 1 year term, Jamie Johnson from Sumara, Roland Ried for RovOP and Mark Ross from N-Sea.
- **Mark Ross** is going to assist with the workgroup on Inspection competencies that Julian and Mike have started this will be discussed in more detail on October 24<sup>th</sup> ( Date of next C&T meeting held in London at IMCA office).
- **C005** Rov supervisor competencies have been finalized and moved to be published soon.
- **Client Rep tables:** Documents have been located and moved to review before being published under new table, discussion was held over who would benefit from this role being defined, maybe just roles and responsibilities of a Client rep was suggested as being all that's needed.

**Marine Division:** Nothing new to add

**ROV:** Roger reported that new lines of training were in progress, that being these below:

*(numbers may change before publication):*

**R025.** Requirements for IMCA Approved REMOTE ROV introductory training & Class A simulator accreditation.

**R026.** Requirements for IMCA approved In House ROV Training accreditation (ROV manufacturers courses)

**R027.** Requirements for IMCA approved Trainee ROV system inspector training (T-RSI)

**Diving:** Nothing at this time, several audits ongoing.

**Other body updates:**

- **IOGP**-Mike gave an overview of previous committee meeting that was attended by Mike and Roger, Items discussed were,;
  - 3D point cloud technical note expected to be published soon
  - Guideline on position uncertainty and quality metrics in progress
  - USBL Calibration, planning revision of 624-01 Common Industry Technical Specification for the Calibration & Verification of USBL Positioning Systems. Expect to see some strengthening of the wording to reinforce compliance with the document
  - survey and software requirements for vessels with downline OPS in and around in water assets; Shell have donated their technical specification with a view to have it adopted as an industry standard specification. Possibly onerous to Contractors to comply entirely
  - MRU auto select in APOS; IOGP member reported an issue with a discrepancy in subsea positioning due to the APOS auto-selecting between VRS1 & VRS2. Expect technical note from IOGP

A discussion was then held on the introduction of a calibration function within Kongsberg APOS which resolves an offset for the acoustic centre of the transceiver as part of the standard USBL calibration routine. This setting was introduced by Kongsberg in 2020 and is available in APOS from version 6.7.0 onwards. Guidance from Kongsberg is that accuracy will be degraded at angles beyond 20° from nadir if this is not solved for. This detail will be considered as part of the revision of S013 and/or S017.

- **IMO**-No Updates
- **Fig**-No Updates
- **Hydrographic society** -No updates

## **6 Committee Objectives 2024**

Mike reminded the committee that Committee Dashboards are now active and viewable by committee Chairs as well as BOD and TA,s to be regularly updated with progress.

**Action: INFO ONLY**

## 7 Workgroup Updates

### 7.1 IMCA S003 Multibeam echosounders:

No progress since last meeting, Gordon reported that he had set aside time in coming months to proceed further with this document

**Action: Gordon Brown**

### 7.2 IMCA S006 Inter vessel Survey Data

Question raised about inclusion of radio telemetry. It was clarified that the purpose of the document was to provide a standard telegram for implementation by software developers and that the method of transmission was not a subject for this document. No further comments to the document and approved as is for use.

### 7.3 IMCA S011 AUV Guidance (Combined with ROV):

ROV committee will move on to S011 after R006, on hold until ROV completes R006 ROV Audit document.

**Action: None on Hold**

### 7.4 IMCA S013 Deepwater Positioning:

Progress since last meeting. MVM Proposed that completion will be within 2 weeks.

**Action: Michiel Van De Munt (MvM)**

### 7.5 IMCA S017 Guidance on vessel USBL systems for use in offshore survey, positioning, and DP operations

Torsten Marten & Mike Clark discussed some concerns on the status of the document. It had been considered previously that the document required minor revision with some clarification/consistency in the use of statistical measures and reference to IOGP standard 624-01. However further review from Torsten and Mike identified that there are areas of the document that are inconsistent or outdated with regards to quoted accuracy based on slant range. Consideration has to be given to a major revision of the document to bring more consistency with the use of Error Budgets, OEM quoted accuracies/performance and industry "rule of thumb"

**Action: Mike Clark / Torsten Marten**

### 7.6 IMCA S019- Guidance on Subsea Metrology-

Scott discussed Title of document to be changed and will formalise the definition of Subsea Metrology in the document introduction in order to bring clarity to the purpose and scope of the document. Further discussed that the document would remain focussed on the measurements required for spool piece metrology and would not look to address wider subject of subsea measurement.

**Action: Scott Howden**

### 7.7 IMCA S025- Guidelines for the shared use of sensors for ROV and survey purposes

No new comments to make revision has started.

**Action: Mike Clark/Roger/Committee**

### 7.8 IMCA S026 Guidelines on Out of Straightness Survey

No new comments to make revision has started.

**Action: Mike Clark / Torsten Marten**

### 7.9 New Documents: IMCA S0XX– LBL Array Planning and Network Adjustments

No new comments, On hold till 2025

**Action: Mike Clark**

### 7.10 New Document: S0XX-Heavy lift positioning support for shallow water operations

Michiel reported ToR and ToC for proposed new document are done. Document is in the Document review portal. Mike requested this one also be put on hold until S017 is out of the way.

**Action: Michiel Van De Munt / Arnold Niessen / Mike Clark**

## 8 IMCA Events

A list of upcoming events is below, and if any member knows of specific survey events, then these dates and locations to be sent to Roger so he can advertise and distribute to the other members.

- Underwater Ship Husbandry 10<sup>th</sup> October 2024 Singapore
- NA Regional Meeting 15<sup>th</sup> October 2024 Houston Tx
- Offshore Energy 24 26th-27th Nov Amsterdam
- Global Summit 3<sup>rd</sup>-4<sup>th</sup> December 2024 Utrecht NL

**Registration now open at: [www.imca-int.com/events](http://www.imca-int.com/events)**

## 9 AOB

Attendance at the IMCA Global Summit in Utrecht in December was discussed again with the committee. Roger advised that committee were encouraged to hold any planned Q4 meetings at the event to maximise attendance. There is no planned committee meeting in December with the closest planned meeting in January 2025 so this was closed.

**Action: No Action**

### 10 Summary of action items

Action	Responsible	Target
IMCA S003 Multibeam echosounders Review	Gordon Brown	End Q4
IMCA S011 AUV Guidance Review	Ian Ellis	ON HOLD
IMCA S013 Deepwater Positioning:	Michiel Van De Munt	End Q4
IMCA S017 Guidance on vessel USBL systems	Mike Clark	End Q4
IMCA S019- Guidance on Subsea Metrology-	Scott Howden	End Q4
IMCA S025- Guidelines for the shared use of sensors	Mike Clark	End Q4
LBL Array Planning and Network Adjustments	Mike Clark	ON HOLD
Heavy lift positioning support for shallow water operations	Mike Clark	ON HOLD
Members to advise availability to attend Global Summit	All	CLOSED

### 11 Date and location of next meetings

Proposed dates for meetings in 2025

- Wednesday 8th Jan 2025, 09:00-12:30 (GMT)
- Wednesday 9th April 2025, 13:00 – 16:30 (BST)
- Wednesday 2nd July 2025, 09:00-12:30 (BST)
- Wednesday 8th Oct 2025, 13:00-16:30 (BST)



Michael Clark

21/01/25

Signed as a true record

Name

Date






# IMCA Offshore Survey Committee

Final Audit Report

2025-01-21

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