

Minutes of a meeting of the Association's IMCA Offshore Survey Committee, held on 27 March 2024 from 13:00 BST Online.

Those present or joining via videoconference:

Mike Clark	Subsea 7	Chair
Gordon Brown	Andrews Hydrographics Ltd	
Scott Howden	DOF	
Michiel van de Munt	Allseas	
Arnold Niessen	Boskalis	
John Chatten	Fugro	Regional-SA
Roger Moore	IMCA TA	Technical Adviser

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 committee to the meeting and read the competition law followed by the below apologies.

Formal apologies for absence had been received from:

Dave Matthews	TechnipFMC	Vice-Chair
Julian Nelson	Oceanscan	C&T Representative
Aaron Bainbridge	Subsea 7	Regional-AP
Paul McBride	Fugro	
Torsten Marten	UTEC Survey	

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 outgoing Chair.

4 Election of Chair and Vice Chair

Roger gave a presentation on committee election dates and then opened the floor with nominations for position of Chair. Mike Clark put himself forward for the position of Chair, no further nominations or objections were raised by the committee and the appointment of Mike Clark as Chair was approved by members present. Mike Clark was welcomed as new Chairman for next 3 years.

Mike opened the floor to nominations for position of Vice Chair, Dave Matthews was put forward to serve as Vice chair and approved by members present, with no further nominations or objections from the Committee.

5 Election of Co-Opt for remaining committee seats

A presentation was shown with nominations put forward and a discussion was held.

Persons selected for co-Opt by those present and by proxy votes that were made in advance of the meeting were:

Ian Ellis – 3D at Depth

Tristan Fleury – Saipem

Simon Waterfield – Sonardyne International

Kate McCubbin – Oceaneering International

An induction to IMCA and the Offshore Survey Committee will be arranged by the Secretariat in advance of the next committee meeting scheduled for July.

6 IMCA updates

6.1 Membership

Roger gave an update on current membership and number of documents downloaded within the Survey category.

Action: INFO ONLY

7 IMCA Committees

7.1 Operations Committee

Nothing to report this quarter.

7.2 Competence & Training

In the absence of Julian Nelson, Mike gave an update on the proposal from the C&T committee to implement a competence framework for the offshore Inspection discipline. He informed the committee that he had attended a meeting arranged by Julian where several member companies who carry out routine subsea inspection were asked their opinion on the relevance and need for a discipline specific competence framework under IMCA in addition to the existing accreditation bodies for the specialism. The response from members on the call was in favour of the development of a CAAP framework that would support the wider competencies outside of and in addition to the technical accreditation. The meeting also discussed which existing IMCA committee would be best placed to lead and champion such a CAAP framework and the consensus on the call was that the most suitable committee was Survey rather than ROV or Diving. The next steps are for the C&T committee to prepare a proposal to table to the Operations Committee for consideration.

The Survey Committee members discussed the proposed initiative and would consider it further as the proposal is formalised. The discussions led to a related short discussion on As-built surveys during offshore construction activities and the recent trend towards these forming the Baseline Surveys for asset integrity management and future inspection programs. This has seen the need for additional CP equipment and qualified personnel to deliver the

required additional data. A question was raised in the discussion on whether IMCA should raise a technical note to advise and inform members of the potential issues if these requirements are not understood and planned for and whether there was any existing IMCA document that this requirement could be added to for future reference and guidance.

7.3 Committees with overlapping interests (Remote Systems & ROV, Diving, Marine)

The ROV and Survey committee are joint owners of the document S011/R025, this refers to Considerations for the Safe Operation of Autonomous Underwater Vehicles (AUVs).

This document has not been actioned yet do to the ROV committee finalising R004, Progress should now be underway on this document with input from Survey committee.

Nothing to add from Diving or C&T committee.

LCIC have asked ROV committee to put forward reasons for contract changes to their joint documents, mainly 4 x ROV/BIMCO docs so these will be sent to legal team shortly.

Action: INFO ONLY

8 Liaison with other organisations

8.1 IOGP Geomatics Committee

Mike gave an update on the meeting hosted by the IOGP Survey & Positioning sub-committee at the IOGP's offices in London on 11th March. The meeting was attended by the following from IMCA; Mike Clark, Dave Matthews, Ian Ellis, Gianmarie Iacobone and Roger Moore. The meeting was a follow up to the previous meeting held in January to discuss areas of shared interest and potential collaboration between IMCA & IOGP. The focus of discussion was on LBL Arrays & Network Adjustments, 3D point clouds and basic statistical measures for offshore survey. Mike advised that we are awaiting the minutes from the meeting to be produced by IOGP however in principle it was agreed that there was an interest to pursue a document on LBL Array Planning and Network Adjustment which would be delivered under IMCA and reviewed by IOGP. Mike explained to the IOGP sub-committee that he would take the proposed TOR/TOC for this document to the new IMCA committee members for approval to proceed at the Survey committee meeting in March.

Action: Mike Clark

8.2 IOGP Technical Flash

IOGP are to produce a technical flash on the subject of 3D point clouds and an initial draft of the flash was provided to those attending the meeting for comment. The draft flash would be distributed to IMCA committee members after this meeting for info. Further details of the discussion will be shared once the minutes of the IOGP/IMCA meeting are finalised.

Action: Mike Clark

9 2024 Committee Objectives and Workgroup Activity

9.1 Document Review

- IMCA S006/ S025/S026 –

All these three are up for review, members are asked to read and respond with comments to Roger. If no comments members are asked to respond accordingly. Target completion for review and comment is 03/07/24 to allow discussion of comments at next committee meeting. Roger to issue links to the documents for review to committee members.

Action: Roger Moore, All Committee

9.2 Document Revision

- IMCA S003 Multibeam echosounders:

some progress made and will aim for July with assistance from another party once access to document has been made.

Action: Gordon Brown

- IMCA S011 AUV Guidance (Combined with ROV):

ROV committee have completed IMCA R004 and will move on to S011. 3D at Depth had provided a resource in April 2023 to support and represent the Survey committee but has since left 3D at Depth. Ian Ellis had agreed to step in in the interim at the committee meeting in Jan 2024.

Action: Ian Ellis

- IMCA S013 Deepwater Positioning:

No change to previous statement- the workgroup would be approaching the main suppliers soon for technical comments. It was suggested that further useful technical input could be sought from Sonardyne & Total Energies in particular, and from the universities;(Newcastle & Glasgow)

Action: Michiel Van De Munt

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

No change to previous update. Document has been reviewed and minor updates are required from Torsten Marten & Mike Clark. Aim to complete by End April

Action: Mike Clark

- IMCA S019- Guidance on Subsea Metrology-

Scott Howden agreed to lead revision of S019. Scott to review document along with the feedback from previous committee and advise on what changes are required and the proposed way forward and timeline for revision of the document at the next committee meeting in July.

Once complete IOGP will have 4 weeks to review as per agreement with them.

- **Action: Scott Howden**

9.3 New Documents

- IMCA S0XX– LBL Array Planning and Network Adjustments

Mike informed committee of progress of discussion with IOGP on the subject of LBL Array Planning & Network Adjustment at the recent IOGP/IMCA meeting in London on 11th March. The draft TOR/TOC will be circulated to IMCA committee members for approval to proceed with the planned document.

Action: Mike Clark

10 Recent & Forthcoming 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.

- MCEDD-Amsterdam- early April
- SPE Norway Subsurface Conference 17th April, Bergen, Norway
- ONS 2024, 26th-29th August 2024, Stavanger, Norway
- Offshore Energy 24 Amsterdam 26th-27th Nov

11 Unminuted discussion of recent safety related incidents

12 AOB

Summary of action items

Action	Responsible	Target
Continue major revision of S003 Multibeam Echosounders	Gordon Brown	28/06/24
Continue support to ROV WG on S011	Ian Ellis (WG focal point)	01/10/24
Continue major revision of S013 Deep Water Acoustics	Michiel Van de Munt	31/05/24
Minor updates to S017 Vessel USBL Systems	Mike Clark	30/04/24
Review S019 Subsea Metrology and previous committee comments and bring proposal for required changes and timeline for discussion at next committee meeting	Scott Howden	02/7/24
Distribute draft ToR/ToC of LBL Array Planning & Network Adjustment to committee members for review & approval to proceed	Mike Clark	05/04/24
Distribute draft IOGP technical flash on 3D point clouds to committee members for information	Mike Clark	05/04/24
Committee members to review and comment on IMCA S006/ S024/ S025 before the next committee meeting 3rd July	All committee	02/07/24

13 Date and location of next meetings

Wednesday 3rd July 09:00-12:00 Subsea7 Aberdeen

Wednesday 2nd October 13:00-16:00 (Location TBC)

—	Michael Clark	03/07/24
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Signed as a true record

Name

Date

Signature: 

Email: mike.clark@subsea7.com





IMCA Offshore Survey Committee

Final Audit Report

2024-07-03

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