



International Marine  
Contractors Association

## **IMCA Offshore Survey Division Management Committee**

IOGP/IMCA/THSiS Geomatics Industry Day  
Weds 20 April 2016

[www.imca-int.com](http://www.imca-int.com)

# IMCA Offshore Survey Committee

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- IMCA in brief
- IMCA update
- Offshore Survey committee
  - Who and where we are
  - What we do
- Technical guidance review

# IMCA in brief – what do we do?

- International trade association representing companies that deliver offshore, marine and underwater solutions
  - Improving performance in the marine contracting industry
  - A secretariat supports global committees of members, which develop respected, usable good practice guidance
  - IMCA committees are elected
- What do IMCA members do?
  - Pipe-laying
  - Heavy lifting and installation
  - Decommissioning
  - Diving and dive support
  - ROV operations and ROV support
  - Offshore survey
  - Offshore construction – including wind turbines
  - Operation of specialist marine equipment
  - \$150bn collectively worldwide
  - 350,000 employees
- Members ask: what does IMCA say?

## IMCA update

- New Chief Executive – Allen Leatt
- New Technical Director – Richard Benzie
- Renewed focus in a world of \$40 oil
  - Relevant
  - Meaningful
  - Efficient
  - Fit for purpose
  - **Cost-effective**
- Reminder: IMCA Annual Seminar
  - London, 9-10 November

# IMCA's Offshore Survey Committee

Chairman: Mike Liddell, Fugro Survey

- Vice chairman: Dave Matthews, Technip
- Michiel van de Munt - Allseas
- Robin Longstaff – Bibby Offshore
- Norman Morrison – Deepocean
- Simon Barrett – DOF Subsea
- Andy Dare – Harkand
- Hans van Peet - Heerema Marine Contractors
- Sam Hanton – Proserv/Nautronix
- GianMaria Iacobone - Saipem
- Mike Clark - Subsea 7
- Ranald Blair - UTEC
  - Competence & Training: Dingena Theunisse, Atlas Professionals
  - Competence & Training: Julian Nelson/Simon Gray, Fugro Survey
  - Asia-Pacific: Jason French, Neptune Marine Services
  - Central & North America: Cory Goodyear, UTEC Survey Inc.
  - Middle East & India: Milind Abhyankar, McDermott International
  - South America: Tim Farrow, Fugro Brasil

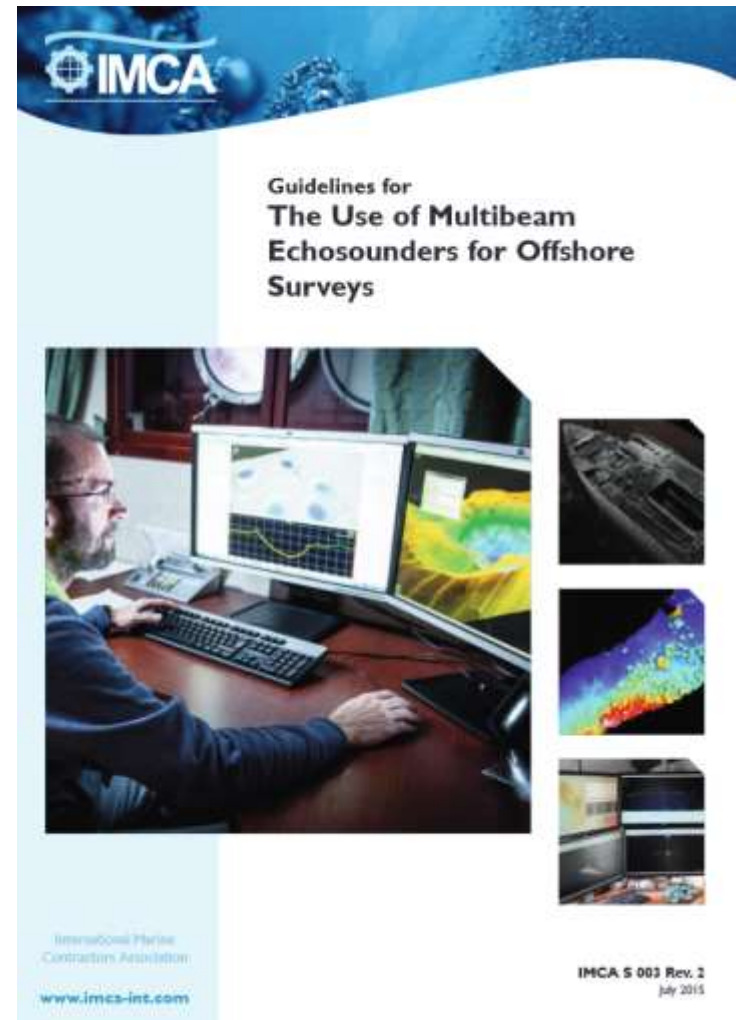
# Offshore Survey Committee

## What we do

- Offshore and subsea surveying, positioning and inspection in all phases of offshore projects
- Shared use – the survey c'ttee is a link between different groups sharing equipment and space on a single vessel.
- Technical guidance
- Work closely with IMCA ROV C'ttee
- Standard contract for survey support services
- Personnel competence

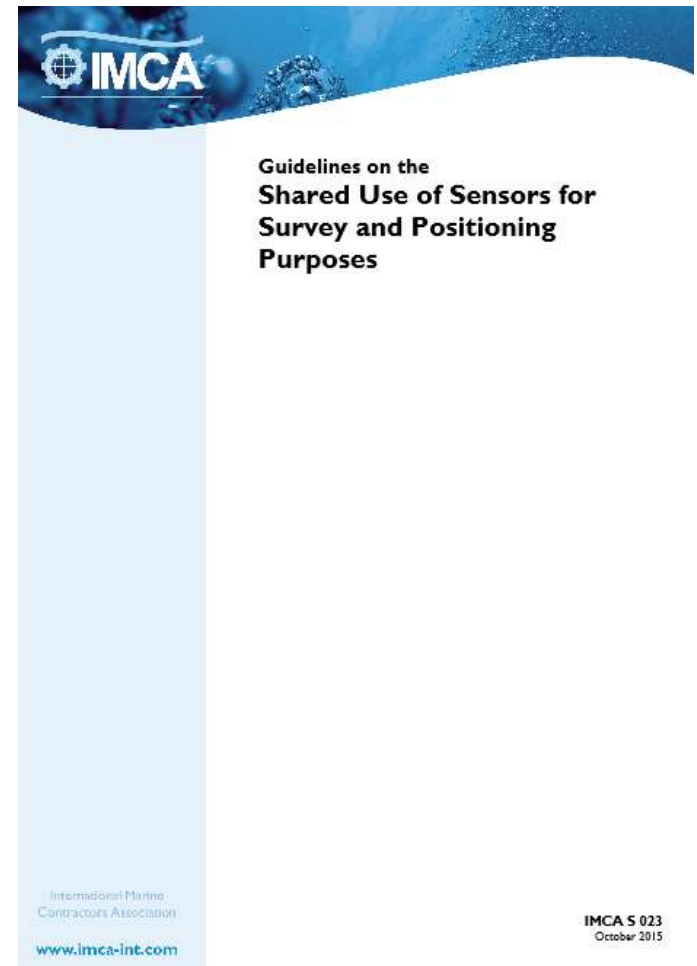
## Recently (re)published documents

- July 2015: IMCA S 003 rev 2  
*Guidelines for the use of multibeam echosounders for offshore surveys*



## Recently (re)published documents

- October 2015: IMCA S 023 *Guidelines on the shared use of sensors for survey and positioning purposes*
- Replacing:
  - IMCA S 009 *Guidelines for the shared use of DGPS for DP and survey operations*
  - IMCA S 010 *Guidelines for the shared use of sensors for DP and survey operations*





# Review and revision!

High priorities

- IMCA S 017 *Guidance on vessel USBL systems for use in offshore survey and positioning operations*
- IMCA S 021 *Guidelines for the management of peripheral survey sensors*
- IMCA S 013 *Deep water acoustic positioning*
- IMCA S 019 *Guidance on subsea metrology*

## Subsea metrology – IMCA S 019

- Standardised or typical metrology bracket?
- New technologies
  - Inertial
  - Laser & Sonar Scanning Techniques
  - LiDAR Underwater Laser Metrology
  - Echoscope
  - Blueview
- Derivation of metrologies from point cloud data, typical accuracies to be considered
- Update to methodology for onshore Dimensional Control  
3D Lasers

# Review and revision!

continued

- IMCA S 012 *Guidelines on installation and maintenance of DGNSS-based positioning systems*
- IMCA S 016 *Mobilisation checklist for offshore survey operations*
- IMCA S 018 *Guidance on the selection of satellite positioning systems for offshore applications*
- IMCA S 011 *Considerations for the safe operations of autonomous underwater vehicles (AUVs)*
- IMCA S 007 *Terms and conditions for survey support services*

# OOS – Guidance on “out of straightness” survey

- Vertical OOS
- Lateral OOS
- Currently available survey techniques
- The relation of OOS criteria vs survey accuracy
- De-spiking - filtering
- Error budgets

## In conclusion...

- IMCA
  - Representing the collective interests of the members in offshore and related activities
- IMCA promotes close co-operation by interfacing with:
  - Oil & gas and other offshore operators
  - Governments and other regulatory bodies
  - Other trade associations
- Offshore Survey Division Management Committee
  - Respected technical guidance
  - Revision of that guidance ongoing to ensure that it reflects the needs of our members
- Thank you



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