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# Risk in Construction Contracts

The handling of risk in construction contracts varies considerably. Much depends on the nature and location of the work, the operator and contractor involved and the prevailing contractual climate. Each of these varies over time, and in addition there are also outside influences such as banks, governments and the insurance market.

In recent years, operators and contractors have observed that the balance and handling of risks in some contracts was not ideal. Moreover, for marine construction projects the technical, geographical and political risks keep getting tougher.

In the light of this, the IMCA Contracts Workgroup was asked to draft a discussion document to promote dialogue between the parties and serve the long-term interests of all participants in the oil and gas industry. *Identifying and Assessing Risk in Construction Contracts: An IMCA Discussion Document* has just been published. The document follows on from the publication last year of the IMCA Contracting Principles, which have been broadly welcomed. The target audience for this document includes operators, contractors, sub-contractors, vendors, financiers, host governments and national oil companies plus the financial and insurance markets. The document contains discussion on specific risks, grouped into the following main risk areas: contractual, performance, financial, political, technical, geographical and operator risks.

IMCA is aware that several parties have been looking forward to seeing this publication. Both the workgroup and the secretariat would welcome feedback from all sectors.

Manual Handling

## WATCH YOUR BACK

### Manual handling is a major cause of injury

Back pain is suffered by one in five of those with work-related ill health - bad for people, bad for business



#### Minimise or reduce risk:

- Stop and think
- Take account of sea conditions when carrying loads
- Use risk assessments
- Can the job be avoided or done differently?
- Use handling aids
- Get help

#### Avoid back pain - don't strain:

- Don't risk injuring yourself
- Protect your back
- Use correct posture when pulling and lifting
- Do not lift more than you can handle
- Don't twist when carrying heavy loads



No. 1 in a series of safety posters issued by The International Marine Contractors Association.  
For more information on IMCA's safety-related initiatives, please visit our website at [www.imca-int.com](http://www.imca-int.com)

## Safety promotion materials

IMCA continues to extend its range of safety promotional materials.

The first IMCA safety posters are now available and have attracted much interest and good feedback from members. These first posters, covering manual handling (left) and slips, trips and falls, are available for purchase in sets of three or for downloading free of charge from the members-only website. The posters feature eye catching cartoon illustrations specially commissioned by IMCA, include space for incorporation of company logos, names and references and come as both PDF and Quark print files. A series of these A2 posters is planned, roughly mirroring the topics of the safety pocket cards already published. Work will shortly commence on the next two posters, covering toolbox talks and crane operations. Two new pocket cards have also been published,

*continued overleaf*

## Annual seminar

The programme and registration brochure for the IMCA Annual Seminar 2006 have now been published. The event takes place on 19-20 September at the Copenhagen Marriott Hotel, with a packed two-day programme titled *Diversity in Marine Contracting*.

Alongside a full range of presentations and workshops on technical issues (operational achievements, technological developments and current issues across all sectors of the industry), there will be an additional focus this year on commercial matters with four senior oil company and contractor keynote speakers addressing the theme of the seminar on day one (including Frits Janmaat, IMCA President, Dave Conway, VP Supply Chain with Shell, Tom Røtjær, senior VP Projects at Norsk Hydro and Don Vardeman, Vice President Facility Engineering with Kerr McGee).

For full details, including online registration please visit [www.imca-int.com/events](http://www.imca-int.com/events)

## IMCA Midsummer Charity Ball

Around 150 members, staff and guests joined together at the Marcliffe at Pitfodels in Aberdeen on 23 June 2006 for the annual charity ball. On arrival guests enjoyed drinks and the music of the Atholl Smith Jazz Trio, who continued to entertain through dinner. After their meal, guests listened to Frits Janmaat, IMCA President and a very amusing talk from Craigie Veitch – a former journalist, sports editor and Scrabble champion whose after-dinner repartee makes him popular in Scotland and all over the world.

Dance music was provided by The Mustang, whose selections kept more energetic ballgoers on the dance-floor until after midnight. A game of 'Kings and Queens' together with donations and the Ellon and District Round Table's casino raised a record £2,100 for this year's chosen charity – The Marine Society and Sea Cadets. Founded in 1756, this is the world's oldest not-for-profit organisation dedicated to enhancing the well being of professional seafarers all over the world. It aims to provide resources for the education, training and general support of all professional seafarers.

See [www.marine-society.org](http://www.marine-society.org) for information.

## Golf Day

The second annual IMCA Golf Day took place on 18 May 2006 at Deeside Golf Club near Aberdeen. Some 60 players assembled in various teams for a nine hole Texas Scramble in the morning followed by an eighteen hole Stableford in the afternoon.

John Mair (right) of Subsea 7, guesting in the Nautronix team, carried off first prize, winning the IMCA Quaich (which he keeps for a year). He earned a notable score of 44 points off a handicap of 9.

## Risk assessment DVD

Following the success of the first two IMCA safety DVDs – *Working at Height* and *Slips, Trips and Finger Nips* – the development of an IMCA DVD on risk assessment is moving forward.

The material will highlight the importance of risk assessment and associated practices designed to make the workplace safer, including toolbox meetings, job safety analysis and hazard identification. It will explain the steps of formal risk assessment and stress the need to make risk assessment a personal process for each worker.

Members are invited to submit any video footage which could possibly be included.

Please contact [Nick.Hough@imca-int.com](mailto:Nick.Hough@imca-int.com) for more details.

## Colour brochure

IMCA's new in-depth and colourful brochure has been well received, with a variety of members around the world asking for more copies to use within their own companies, with clients, at industry events and with other colleagues. A second print run has already had to be ordered and the secretariat will be pleased to supply further copies. Feedback from members about brochure content has been excellent. An updated diver picture has been used in the second print run, featuring more clearly visible safety features.



## Change of editor

This issue of the IMCA newsletter is the last issue edited and produced by Hannah Pearce. Having helped write the first edition of IMCA's competence, assurance and assessment guidance in 1998, Hannah took on the newsletter in March 2000 with issue 15 when IMCA's membership had just reached 150. After designing a successful new format that's remained fairly unchanged for over six years she has used her journalistic skills to produce our popular quarterly publication. With membership now standing at over 300 IMCA's larger secretariat has both the staff and facilities to bring production of the newsletter in-house from issue 41.

Thanks for everything Hannah and all the very best for the future.

## Safety promotion materials *continued.*

Two new pocket cards have been published, bringing the total to fourteen. These address eye safety and personal security, this latter card designed to make it easy for members' personnel to keep close at hand the key messages on this issue.

All fourteen cards are available for purchase in printed sets of 100 or can be downloaded free of charge, as with the posters, in both PDF and Quark print formats.

*The eruption of violence in Israel and the Lebanon has caused a further increase in the price-level of oil and gas and is putting even more pressure on developments in other parts of the world.*

*This situation will exacerbate the biggest challenge we presently face in our industry – the serious shortage of qualified personnel. This situation is made more challenging by projects becoming ever more complex – both from a technical, social, environmental and contractual point of view. The main issues are:*

- *We are moving into deeper waters all the time, requiring more complicated technical solutions that can only be accomplished by experienced engineers and technicians.*

- *The demand for local content is increasing all around the world, requiring detailed knowledge of local legislation, extensive local representation and the organisation of training programmes and facilities.*

- *Compliance with extensive environmental regulations is becoming increasingly stringent and is requiring more in-depth knowledge of often very specific and complex issues*

- *With large challenging projects underway in remote and exotic locations, the risks associated with such developments increase and require larger, more experienced management teams.*

*The required skilled and experienced personnel*

*are, for reasons extensively discussed earlier, simply not available at the moment. We have already seen many contracting strategies being changed because of this, with the inherent result of higher safety and monetary risks during project execution.*

*For our sector to survive this period without major mishaps, it is essential that all parties, contractors, operators and authorities work together to resolve this shortage rapidly. IMCA will take initiatives and facilitate a forum for all parties to get together and contribute to these efforts where and whenever possible.*

*The past 11 years have seen a series of major accomplishments by the different divisions active in IMCA. After issuing a total of 15 guidelines and reports in 2005, in*



*2006 IMCA has already issued 10 more guidelines on varying themes such as contract risk, supply vessels, high voltage training and personnel security alongside new safety cards and posters. IMCA has made major contributions to making our industry safer, healthier and stronger, but it is obvious that a lot more can be achieved if authorities, operators and contractors get together and jointly pursue the improvements that we all would like to see in our industry.*

## IMCA Overall Management Committee

President & Chairman: Frits Janmaat, Allseas Group  
Vice-President: Knut Boe, Technip

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Chairman Marine: Pete Somner, Subsea 7  
Chairman Offshore Survey: Will Primavesi, Saipem  
Chairman ROV: Kevin Kerins, Oceaneering International  
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Chairman TCPC: John Greensmyth, Technip  
Chairman, Americas Deepwater: Roy Sijthoff, Helix ESG  
Chairman, Asia-Pacific: Andy Bolton, Subsea 7 Asia Pacific  
Chairman, Europe & Africa: Robin Davies, Subsea 7  
Chairman, Middle East & India: Steve MacMillan, J Ray McDermott

Vice-Chairman Diving: Derek Beddows, Technip  
Vice-Chairman Marine: Pete Fougere, Transocean  
Vice-Chairman Offshore Survey: Walter Steedman, Subsea 7  
Vice-Chairman ROV: Andrew Beveridge, Rovtech  
Vice-Chairman SEL: Paul Blewett, Acergy  
Vice-Chairman TCPC: Mark Elder, Subsea 7

IMCA Chief Executive: Hugh Williams  
IMCA Technical Director: Jane Bugler

# From the Chairman

## Crane operator logbook

A new Crane Operator's Logbook for offshore vessels has just gone to press and will be available shortly.

This ninth IMCA logbook has been developed by the Marine Division's Crane & Winch Operations Workgroup in order to provide a clear, consistent and transferable means for crane operators to record their experience on various types of offshore crane in different scenarios.

As with all IMCA logbooks, sections for records of training, previous experience and competence assessments are included, eliminating the need for a separate IMCA *Record of Competence* (IMCA C 006).

Other logbooks available from IMCA include those for the offshore diving sector (professional diver, diving supervisor, diving inspection personnel, technician, life support technician), DP operators, offshore survey personnel and ROV personnel.

All logbooks are priced at £11 (members), £13.50 (non-members) plus VAT/delivery.

## Careers material updated

In recent months, keen to ensure potential newcomers are attracted to the industry, IMCA has undertaken a thorough review of its careers material, to which all of the world-wide committees have contributed. The first step in this work is now complete, with existing material updated and a new guide entitled *I want to be a DP operator*. Amongst the changes were a fresh look at basic safety training requirement for new entrants and a focus on the opening remarks for each article. The new material is now live at [www.imca-int.com/careers](http://www.imca-int.com/careers)

## TCPC Information Notes published since Issue 39

- TCPC 07/06 Servicing, maintenance and drills with lifeboats – Amendments to SOLAS
- TCPC 08/06 European directive on ship source pollution – Criminal penalties
- TCPC 09/06 Carriage of noxious liquid substances – procedures and arrangements manual template
- TCPC 10/06 Bridge design for offshore service vessels: DNV NAUT-OSV website updated

## TCPC Core Committee

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 Jennifer Cook, Acergy  
 Fiona McKenzie, Acergy  
 Els Geven, Allseas Group  
 Darren Bown, Subsea 7  
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 Roy Hay, Technip  
 Andy Stewart, UK Project Support  
*Americas Deepwater Section:*  
 Lou Crane, Inst. of ROVs  
*Asia-Pacific Section:* Vacancy  
*Middle East & India Section:* Mohamed Omar, International Naval Works  
*IMCA Schemes Administrator:*  
 Vicki Graham

## HV training syllabus

The high voltage training syllabus described in issue 39 has now been published as IMCA C 010.

Three stages cover generic introductory and more detailed training recommendations for various personnel, such as chief engineers, engineers, electricians, ROV and other technicians etc., as well as more auditor and assessor topics for electricians and engineers who are already electrically competent. The guidance is available priced at £5 (members/£10 (non-members) or for downloading from the members-only website.

## Guidance review

IMCA's framework of guidance on competence assurance and assessment was launched in 1999, with a review undertaken after three years' experience. Three years further on, the TCPC committee is commencing a review of the framework and the detailed guidance for the safety-critical positions covered. The four divisional committees (Diving, Marine, Offshore Survey and Remote Systems & ROV) will be reviewing the sections relevant to them. Regional section and subgroup meetings will provide an opportunity for member input, while the member-only discussion forums are also available. Any member wishing to provide specific feedback is also welcome to submit it to the secretariat.

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 An Aird, Fort William, Inverness-shire, PH33 6AN, UK

## SEL Information Notes

*published since Issue 39*

- SEL 08/06 SafeGulf – Implications for IMCA members
- SEL 09/06 Servicing, maintenance and drills with lifeboats – Amendments to SOLAS
- SEL 10/06 Lifting and hoisting: OGP recommended practice
- SEL 11/06 Ship security officer questionnaire
- SEL 12/06 Safety statistics for IMCA members: Report for the period 1 January – 31 December 2005
- SEL 13/06 Safety, Environment & Legislation (SEL) Core Committee
- SEL 14/06 European directive on ship source pollution – Criminal penalties
- SEL 15/06 IMO meetings Jan-May 2006
- SEL 16/06 Carriage of noxious liquid substances – procedures and arrangements manual template
- SEL 17/06 Bridge design for offshore service vessels: DNV NAUT-OSV website updated
- SEL 18/06 Changes to fatal accident rates in IMCA safety stats for 2005

## Security update

The IMCA Security Task Force is continuing its busy work, with keen input from members. In just a few short months, the group has already published *Guidance on Travel Security (IMCA SEL 014)* followed by a convenient pocket card for individuals summarising key points from this guidance.

Work is also proceeding on a number of further projects:

- guidance for the verification of third party personnel
- guidance on threat risk assessment in respect of security issues
- a guide to the ISPS code, designed to assist project personnel who may not be fully familiar with the Code and its requirements
- guidance on a common security audit format

Courses on business continuity planning have been offered by some companies for a while now and the topic is frequently discussed at task force meetings so guidance on this topic might be developed in due course.

The Security Task Force has welcomed new members recently and looks forward to even more interesting input to its busy programme.

*Please contact Philip.Wiggs@imca-int.com if you would like to get involved.*

## Malaria guidance

Members may recall that IMCA has been contributing to work within the International Association of Oil & Gas Producers (OGP) to develop guidance on malaria. IMCA also considered whether to develop a follow-up guide for the marine contracting sector, to highlight the most relevant aspects. However, as the OGP guidance nears publication, the SEL core committee has reviewed this material and agreed that it won't be necessary to issue a separate IMCA document. Members will be kept advised on publication of the OGP document – *A guide to malaria management programmes in the oil and gas industry* – while details will no doubt be available at [www.ogp.org.uk](http://www.ogp.org.uk)



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Mat Schreurs, Heerema Marine Contractors  
Wayne Seelbach, Helix Energy Solutions Group  
Sal Ruffino, Saipem  
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*Americas Deepwater Section:*

Lynn Lehmann, Saipem

*Asia-Pacific Section:*

Des Power, Technip Subsea 7 Asia Pacific

*Middle East & India Section:*

Mohamed Osman, Maridive & Oil Services

## Asia-Pacific

The section is meeting in Jakarta as we prepare the newsletter, so a full report will be provided in the next issue. As in April, the revised format features discussion of member business early on before welcoming clients and potential members for presentations on current IMCA activities, recent cross-industry guidelines for dynamically positioned offshore supply vessels and three topical workshops.

## Europe & Africa

Presentations on specific IMCA documents attracted members to a seminar held by the section on 27 June in Aberdeen. This event followed on from the October 2005 Seminar and was the fifth meeting held since the section was established in 2003. Participants came from Italy, the Netherlands, South Africa and the UK to discuss several recent documents, including:

- *IMCA D 038 – Experience and employment profile of North Sea diving personnel: Profile for the years 2000 to 2003*
- *IMCA M 182 – International guidelines for the safe operation of dynamically positioned offshore supply vessels*
- *IMCA S 008/R012 – Digital video offshore: A review of current and future technologies*
- *IMCA D 037 – Diving equipment systems inspection guidance note (DESIGN) for surface supplied mixed gas diving systems, and IMCA D 040 – DESIGN for mobile/portable surface supplied diving systems*

An overview of current work by the section was also given along with an update on the world-wide IMCA work programme, covering the two core committees and four technical divisions.

A CD of the proceedings is being distributed to all members in the region.

## Americas Deepwater

### Getting together

The section, established in 2002, continues to meet quarterly. Its most recent meeting took place in Houston on June 15, hosted by McDermott, and was attended by 29 members and guests.

The section has chosen recently to use a split-agenda format, with voting members only meeting for the first part of the day before clients and guests are invited to attend the second half.

To encourage wider participation with a more focused agenda, the Chairman will convene a short pre-meeting in September to plan topics for discussion. He would welcome suggestions. Recent topics included: the Common Marine Inspection Document, DP trials for drilling rigs, progress of the diving sub-group and safety training.

### Sub-Groups

The Diving, Marine and ROV sub-groups have all begun meeting again after a break in activity. Each provides an opportunity for all members of the particular division within the region to meet and discuss relevant issues, contribute to the global work programme, provide feedback on existing guidance and initiatives and more. Sub-groups provide an opportunity to help shape IMCA's overall direction and to ensure both that current work items result in guidance relevant and appropriate for your company and that any issues not currently under consideration are raised and addressed accordingly. The joint SEL and TCPC sub-group provides a similar opportunity for all members to get together to address safety, technical and personnel-related issues across the industry in the region.

*Please contact the chairmen – Lynn Lehmann, Saipem (SEL), Lou Crane, Institute of ROVs (TCPC), Allan Palmer of Helix ESG (Diving), Pete Fougere, Transocean (Marine) or Pat Mannina, Oceaneering (ROV) and the secretariat for more details on how you can get involved.*

## Middle East & India

The section is to hold a briefing seminar for clients and potential members on the morning of 11 September at the Raha Beach Hotel in Abu Dhabi, UAE.

This will feature presentations from members and the secretariat on IMCA, its role and work – both globally and in the region. Invitations are being issued to corresponding members, previous seminar delegates and others, with suggestions welcome for other invitees from relevant companies. The section will hold its next meeting for members later the same day.

## Regional Section Officers

### Middle East & India Section

*Chairman: Steve MacMillan,  
J Ray McDermott  
Vice-Chairman: Sean Brunton,  
SMIT Terminals*

### Asia-Pacific Section

*Chairman: Andy Bolton,  
Technip Subsea 7 Asia Pacific  
Vice-Chairman: Mark Shepherd,  
Mermaid Offshore Services*

### Europe & Africa Section Steering Committee

*Chairman: Robin Davies, Subsea 7  
Vice-Chairman: Ian Stevenson,  
Technip*

### Americas Deepwater Section

*Chairman: Roy Sijthoff,  
Helix Energy Solutions Group  
Vice-Chairman: Craig Broussard,  
Subsea 7*

*Please tell us a little about your company and what it does*

Subsea 7 is the one of the fastest growing subsea contracting companies in the world and provides a range of services from the start of field life to field closure around the world. Its main base is in the North Sea area, but with very active centres in the Gulf of Mexico, Brazil, the Asia-Pacific region and Africa. Subsea 7 was borne out of the coming-together of Halliburton Subsea and DSND. Through a transition phase it has grown into a well balanced organisation with a clear eye to the future in the global market.

*What is your current job?*

Most people these days wear numerous hats – especially when going grey at the temples! My day job is no exception: I look after diving construction equipment which includes hyperbaric welding, diving systems and project support. I am completing a global lifting compliance project that has meant working with the IMCA lifting workgroup and I undertake incident investigations and deliver advanced safety audit training as well.

*How did you get to where you are in your career today?*

Some people may wonder why I am Chairman of the Marine committee, but in my early days I used to manage the marine assets for Halliburton Subsea and my heart has tended to be in the marine sector of operations over the years. I am not scared of hard work or accepting a new challenge, which in our present climate is not something we are short of. There are lots of opportunities for people to develop in this expanding market.

*What do you see as the key areas affecting the industry at the moment?*

Resources in a word – people primarily, closely followed by assets. We have always been a boom or bust industry, hence the phrase ‘contracting’, but the shortage of personnel is starting to bite and we need to ensure that we keep our



management systems at the right level to maintain the high standards we have all worked so hard to achieve. We are going to need our clients to understand that they can't have all the experienced personnel on their jobs/projects as the experience has to be spread around to manage the new personnel arriving in the industry and the new roles. As for equipment, we need to keep a close eye on our standards here as well, because we all know what happens when things are rushed.

*How can these issues be taken forward?*

Resource problems mean pulling personnel from other industries and training them up as quickly as we can while, as I previously said, ensuring that there is the right experienced supervision at all levels. Equipment requirements mean good forward planning and commitment far enough in advance to meet the expectations that we currently have within the industry, obviously without over-extending. Through our cyclic industry we have seen in the past all too often the debris of over-supply at the downturn phase.

*How do you think IMCA makes a difference?*

IMCA provides a great forum to discuss these types of issues away from commercial considerations, in order that we can at least exercise the options. IMCA can then help by publishing guidance or carrying out market surveys to provide some framework for companies to move these forward.

**Pete Somner**  
is Diving Construction Equipment Manager with Subsea 7. He also serves as Chairman of the IMCA Marine Division Management Committee and as a member of the IMCA Overall Management Committee.

In this article, he discusses his ‘day job’ and provides a personal insight into the work that the division is currently undertaking on behalf of members.

*How do you see the future?*

Currently I see a great future for Subsea 7 and the industry in general, but looking to the longer term and the recent plans with regards to alternative energy sources we need to be mindful of this in our long term planning and development. I have to say, through the ups and downs of the industry over the past 28 years that I have been involved, it has been great fun and at the end of the day the people make it work.

## Chain lever hoist

Chain lever hoists are used extensively in underwater construction activities. Their design characteristics allow for ease of transportation and minimum set-up so they are potentially a very useful tool. Equally, they have a history of failure which merited critical examination to identify causes and to develop industry guidance on their safer use.

An IMCA working group therefore consulted members, clients, and major equipment test houses and issued *IMCA D 028* in June 2002. In the light of experience gained by the industry in using that original guidance and reflecting lessons learnt during investigation into lever hoist incidents over the past four years, IMCA is now finalising an updated version which will be available shortly.

## Diving Information Notes

*published since Issue 39*

D 04/06 Proposed DNV recommended practice on hyperbaric evacuation systems

## Diving certification schemes

A priority for IMCA members is ensuring the proper training and competence of those working in safety-critical positions. To help them, IMCA runs internationally accepted certification schemes for air or bell diving supervisors and life support technicians (LSTs), administered from Aberdeenshire, UK, by Vicki Graham.

Development of the schemes commenced in 1984, when work started on an industry-wide standard for training and certification of diving supervisors and life support personnel. Some 700 people have qualified as life support technicians since then. Following the introduction of the diving supervisor scheme on 1 January 1987, approximately 700 air diving supervisor and 800 bell diving supervisor certificates have been issued.

The first LST examinations required written answers but, in 1987 all examinations were transposed into a multiple-choice format. In the early days, the schemes were designed for and available to personnel working in the North Sea and examinations contained questions relating to legislation and guidance in force in the UK and Norway. As membership of AODC, and subsequently IMCA, became more international the examinations were sat by an increasing number of personnel working in other parts of the world. In response, separate UK and Norwegian legislation modules were developed and, since April 1998, have been offered to candidates as optional extras, depending on where they are working.

To date IMCA has issued 123 air diving supervisor certificates endorsed for UK legislation only and 13 endorsed for both UK and Norwegian legislation. Some 50 certificates endorsed for UK legislation only and 64 endorsed for both UK and Norwegian have been issued to bell diving supervisors. 41 LST certificates endorsed for UK legislation only and 21 endorsed for both UK and Norwegian legislation have been issued.

Currently, some 60 air and 12 bell divers along with 20 assistant life support technicians are sitting or resitting examinations, with the majority of these personnel working in the Asia-Pacific, West Africa or the Middle East regions. If current trends continue, it is envisaged that there will be a significant increase in the number of certificates issued (in particular to air diving supervisors and life support technicians) during 2006.

*See diagram opposite*

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Dan Schultz, Helix ESG  
Jerry Starling, Integrated Subsea Services  
Darren Brunton, KB Associates  
Cees Noordhoek, Noordhoek Offshore  
Calum Buchanan, RBG Core Technical  
Sal Ruffino, Saipem  
Steve Nairn, Well Ops

*Americas Deepwater Section:* Allan Palmer, Helix ESG

*Asia-Pacific Section:* RP Singh, Acergy Asia Middle East

*Middle East & India Section:* Steve MacMillan,  
J Ray McDermott

## Hyperbaric evacuation

Det Norske Veritas (DNV) has recently developed draft recommended practice for the design of hyperbaric evacuation systems for divers, their launching arrangements and for life support systems required after evacuation from the support vessel. This document is linked to the existing classification services offered by DNV. In preparing this material DNV has consulted IMCA on the draft and in reply IMCA provided extensive feedback. IMCA has arranged to meet DNV to discuss these comments.

Anyone wishing to receive further information should contact Jane Bugler.

### Offshore Survey Division Management Committee

*Chairman:* Will Primavesi, Saipem  
*Vice-Chairman:* Walter Steedman, Subsea 7

Ray Morgan, Acergy  
Stuart Reid, Andrews Survey  
Keith McGregor, DeepOcean  
Ian McKenzie, Fugro Survey  
Peter Thomas, Maritech  
Brian Beard, Noordhoek Offshore

#### Americas Deepwater Section:

Stephen Browne, Subsea 7

*Asia-Pacific Section:* Dave Scott, Fugro Survey

#### Middle East & India Section:

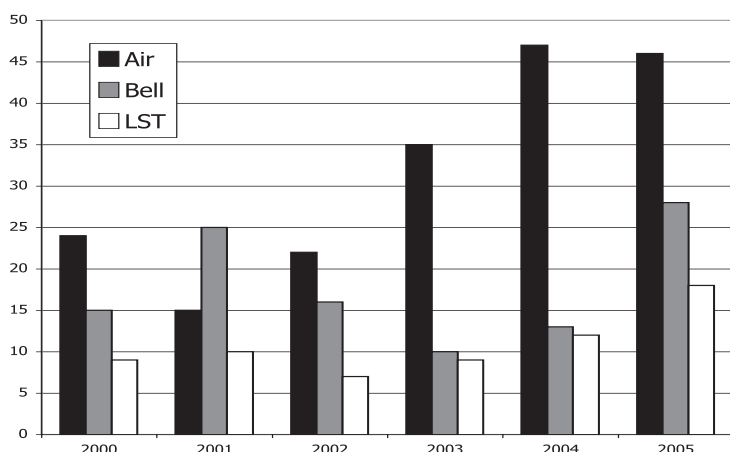
Darren Male, Fugro Survey (Middle East)

## Deepwater acoustics

Work has started on the preparation of IMCA guidance on deep-water acoustic positioning.

A scope of work was developed and a tender exercise carried out. A start-up meeting between the chosen consultant and a small workgroup under the Offshore Survey Management Committee is to be held during July to take this work forward.

The guidance is intended to cover a wide range of probable scenarios associated with operating acoustic positioning systems in a deepwater environment and the different techniques used, including possible problems and their solutions.



Certificates issued annually since 2000 to diving supervisors and life support personnel

## Shared use of vessel sensors

Guidance on the shared use of vessel sensors for DP and survey purposes, intended to complement IMCA's recently published *Guidelines for the shared use of DGPS for DP and survey operations (IMCA S 009)* is nearing completion.

An advanced draft, covering the main differences in vessel sensor requirements for DP and survey purposes, procedures for mitigation of risk when sharing vessel sensors, and some worked examples and preliminary conclusions, is currently under review. Following a further meeting with the consultant, it is anticipated that this document should be ready for publication later in the year.

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## Offshore Survey Information Notes

published since Issue 39

S 03/06 Safe manning levels for offshore survey operations

## Promoting the Common Marine Inspection Document

The *Common Marine Inspection Document (IMCA M 149 or 'the CMID')* has developed since its original publication in 1999 to the current issue 5 (Sept. 2005) and is increasingly recognised as a key document within the offshore sector. It sets out a common approach for vessel auditing, allowing various clients to recognise existing audits, or at least elements of them, eliminating the need for repeat audits and providing efficiency gains for both the vessel operator and client. The CMID should be treated as a 'live' document, kept up-to-date onboard with details of inspection, testing and certification. In this way it can form a useful part of a vessel certification/audit/documentation system as well as keeping the vessel documentation prepared for future inspections. The worked example and guidance provided in *IMCA M 167* include a demonstration of what can be prepared in advance, while availability both on CD and via the members-only website in Word format enable electronic completion and maintenance. Members are encouraged to promote use of the CMID amongst their own fleets, with sub-contractors and among third party consultants/surveyors.

### New vice-chairman

The Marine Division Management Committee (MDMC) has a new vice-chairman in the person of Pete Fougere of Transocean.

Based in Houston, where he is also Chairman of the Americas Deepwater Section Marine Division Sub-Group, he will work with MDMC chairman Pete Somner (Subsea 7) to lead the committee and its work programme, ensuring and enhancing its international focus.

### Marine Division Management Committee

*Chairman:* Pete Somner, Subsea 7  
*Vice-Chairman:* Pete Fougere, Transocean

Arnfinn Vika, Acergy  
Michiel Goedkoop, Heerema Marine Contractors  
David Blencowe, Maersk Supply Service  
Ian Young, Prosafe Offshore  
Steve Marshall, Sealion Shipping  
Steve Woodward, Technip  
Kjell Egil Helgøy, Teekay Norway

*Americas Deepwater Section:*  
Pete Fougere, Transocean  
*Asia-Pacific Section:* Andy Bolton, Technip Subsea7 Asia Pacific  
*Middle East & India Section:*  
Lachlan McKelvie, Seabulk Offshore

## Annual trials for DP drilling rigs

Use of the traditional annual DP trial can be low for mobile offshore drilling units (MODUs), as their continuous work programmes do not usually provide suitable gaps in operation that can be used for such tests.

Recognising these constraints, IMCA has commissioned the development of a draft guideline that will set out the aims of trials, the issues associated with them and endeavour to provide a reasonable way to perform trials incrementally throughout the year as and when opportunities arise. It is hoped that through such an approach, the routine undertaking of DP trials on such units will become more widespread, thus helping members and the wider industry to further improve safety and efficiency.

The project will also include a review of the existing IMCA Marine Division guidance, incorporating any changes deemed necessary in the light of technological and operational developments together with reference to the proposed MODU document.

*For information contact Jane Bugler*

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## Marine Information Notes

published since Issue 39

- M 09/06 Servicing, maintenance and drills with lifeboats – Amendments to SOLAS
- M 10/06 Lifting and hoisting: OGP recommended practice
- M 11/06 European Directive on ship source pollution – Criminal penalties
- M 12/06 IMO: Report of meetings – January-May 2006
- M 13/06 Carriage of noxious liquid substances – procedures and arrangements manual template
- M 14/06 Bridge design for off shore service vessels: DNV NAUT-OSV website updated

## Review of CMID seismic vessel appendix

Work is in progress on the revision of the appendix to the IMCA Common Marine Inspection Document covering seismic survey vessels. This work has included input from a number of members and seeks to bring the appendix up to date with safety-related technical and procedural changes to vessel operations in the offshore seismic industry.

Please contact [Nick.Hough@imca-int.com](mailto:Nick.Hough@imca-int.com) to contribute or for more details on developments.

## ROV statistics

An information note setting out ROV and diving statistics for 2004-5 is now being prepared. For the first time, IMCA has set out to produce figures for other areas of the world in addition to the North Sea analysis performed previously. It is hoped that the note will be ready for publication in the coming weeks, after including some recently submitted data.

## Annual Seminar

A lively mix of marine topics focused on the demanding ongoing work of this division will feature strongly at the Annual Seminar, taking place on 19-20 September in Copenhagen (see page 2).

Presentations on the work of the Crane and Winch Operations Workgroup and its developing guidance, an impressive range of DP issues and papers on operational safety issues will stoke the fires for workshop sessions on surface positioning integrity, marine crew training and competence, challenges for FMEAs and effective communications during lifting operations. Delegates can also discuss the latest technological developments and products with exhibitors and other IMCA members.

## Performance appraisal forms

Associated with IMCA's competence assurance and assessment guidance, the Remote Systems & ROV Division has previously issued forms to help members conduct performance appraisals.

This was originally done in 1999 via information note *IMCA R 09/99*, while a second form was provided in information packs for experienced freelance personnel issued in 2005.

The TCPC and ROV divisional committees have considered the relative values of the two forms, and whether the earlier form should be withdrawn, but have concluded they each serve different purposes.

*R 09/99* has duly been made available for downloading in an updated electronic format from the members-only website.

# Remote Systems & ROV

### Remote Systems & ROV Division Management Committee

*Chairman:* Kevin Kerins,  
Oceaneering International  
*Vice-Chairman:* Andrew Beveridge  
Rovtech

John Davies, Global Marine Systems  
Michel Hebert, Bluestream  
Espen Ingebretsen, Oceaneering  
Colin Mackay, Acergy  
Dave McKay, Fugro Survey  
Neil Milne, Subsea 7  
David Rhodes, Integrated Subsea Services  
Keith Robathan, Saipem  
Nigel Wilmott, Helix  
ESG/Canyon Offshore  
Dave Walker, Technip

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Neil Forbes, Technip  
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*Middle East & India Section:* Chris Blake, Fugro  
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## New Members

IMCA welcomes:

- Banff & Buchan College
- Bibby International Services (India)
- CDMS Ltd
- Far Eastern Shipping Company (FESCO)
- Geoconsult AS
- GOGAS Gulf Oil & Gas LLC
- Hydrolab-HydroCAT
- Modern Computing Services (MCS)
- Sonardyne Asia Pte Ltd
- Umax
- Viking Offshore Services
- West Coast Commercial Diving School

## Name changes

- Covus is now *Geo Subsea*
- Khozzanuun Marine Engineering is now *PFCE Ocean Engineering*
- Smedvig Offshore is now *Seadrill Management*
- Fugro Geonics is now *Fugro Survey (India) Pvt Ltd*

## Introducing new members

**Bibby International Services (India)**

Part of Bibby Line Ltd, the company has recently opened the Sir Derek Bibby DP Centre, India's first dynamic positioning training facility, equipped with Alstom 'A' series DP system and is accredited by the Nautical Institute. Future plans include development of ETO and engineer familiarisation training courses.

Tel: +91 22 2446 3265  
Web: [www.bibbyindia.com](http://www.bibbyindia.com)

**Far Eastern Shipping Company (FESCO)**

Fesco offers a network of dynamic agencies across the globe facilitating a fleet of 80 vessels with a freight capacity of 1m tons (including five SA-15 type ships and one SAS-8, of the "Vasily Golovnin" type for ice navigation). The company services ports in the Asia-Pacific region and has a recognised capability to solve time critical tasks on cargo delivery and access to the ports of Magadan, Chukotka and East Arctic sector.

Tel: +7 (4232) 52 11 66  
Web: [www.fesco.ru](http://www.fesco.ru)

**Hydrolab-HydroCAT**

An Italian national professional diving school and offshore training centre, based in La Spezia, it is accredited within Italy but its certificates are **not** currently recognised by IMCA. The school has however joined IMCA to gain access to the range of guidance on offshore diving.

Tel: +39 0187 942866

## International Contractors

**Acergy**  
**Allseas Group**  
**Heerema Marine Contractors**  
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**Saipem**  
**Subsea 7**  
**Technip**

## Contractors

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Arabian Gulf Mechanical Services & Contracting Company  
Atlantic Towing Ltd  
Bakri Navigation Company  
Bibby Offshore  
BJ Services Co (UK)  
Bluestream NL  
Bluewater Energy Services  
Boskalis Offshore  
British Antarctic Survey  
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Cape Diving  
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Clough Oil & Gas  
CODERO  
Combined Diving Inspection Svcs  
Consolidated Contractors Co.  
CTC Marine Projects  
CUEL  
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Deep Ocean  
Diamond Offshore Drilling  
DNT Offshore  
DOF Management  
Dolphin Drilling  
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EDT Offshore  
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Fugro Marine Services  
Fugro Survey (India)  
Fugro Survey (Middle East)  
Fugro Survey (Singapore)  
Fugro Survey (UK)  
GB Diving  
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Geo Subsea  
Global Industries  
Global Industries Asia Pacific  
Global Marine Systems  
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Gulf Dredging & Gen. Contracting  
Gulf Marine Services  
Gulf Offshore North Sea  
Gulmar Offshore Middle East  
Hallin Marine  
Halul Offshore Services Co.  
HEISCO  
Horizon Survey Co.  
Hull Support Services  
Integrated Subsea Services  
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Intl Naval Works – Abu Dhabi  
IRSHAD  
Lamnalco  
PT Lancar Rejeki Berkas Jaya  
LD Travocean  
Louisiana Overseas  
Maersk Supply Service  
Maridive Offshore Projects  
Maridive & Oil Services  
Marine Logistics Solutions (MarSol)  
Master Tech Diving Services  
Med Marine  
MENAS  
Mermaid Offshore Services  
Mohn Drilling  
MSS  
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Oceanteam Power & Umbilical  
Ocean Works Asia  
Offshore Technology Solutions  
Offshore Works  
OSM Ship Management  
Pacific Richfield Marine  
PT Patra Dinamika  
Petroleum Marine Services  
PFCE Ocean Engineering  
Pride International  
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National Oceanography Centre, Southampton  
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PR Offshore Services  
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SEATAG Offshore  
Ship Manoeuvring Simulator Centre  
Sribima Maritime Training Centre  
Stord/Haugesund Univ. College  
SubNet Services  
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Underwater Centre Tasmania  
WA Maritime Training Centre – Fremantle  
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Published quarterly to promote knowledge of safety and technical matters affecting the marine, underwater and engineering industry.

Succinct, positive contributions of potential interest to a wide cross-section of IMCA members are welcome.

Views expressed on these pages don't automatically reflect policies or positions of IMCA itself.

**The international trade association  
for offshore, marine and underwater  
engineering companies**



## Interests

IMCA represents the collective interests of the members in offshore and related activities, including, for example:

- Marine operations
- Diving
- Remote controlled systems including ROVs
- Offshore survey/positioning systems.

## Interfaces

IMCA promotes close co-operation by interfacing with:

- Oil & gas and other offshore operators
- Governments and other regulatory bodies
- Other trade associations.

## Objectives

The main objectives will be to promote members' common interests, including to:

- Strive for the highest possible standards with a balance of risk and cost in; health and safety; technology, quality and efficiency; environmental awareness and protection
- Achieve and sustain self-regulation in the industry
- Ease the free movement of equipment and personnel globally
- Achieve equitable contracting regimes
- Provide the framework for training, certification, competence and recruitment to support and sustain the industry globally
- Resolve industry issues
- Promote co-operation across the industry

## Means to Deliver Objectives

IMCA has a number of committees and work areas. Each of these also has its own objectives, set at the beginning of each year and listed on the website. To deliver the Association's and the committees' objectives, IMCA will:

- Ensure endorsement of and continually improve IMCA guidelines
- Ensure endorsement of and continually develop IMCA competence schemes
- Publish global codes of practice, guidance notes, industry briefings, discussion papers and other media
- Promote the use of common and practical industry good practice
- Promote standard contracts to foster the ideals set by the industry and improve relations, increase efficiency and reduce overall cost
- Monitor legislation affecting the industry
- Provide a forum for discussion
- Hold meetings, workshops and seminars at various levels and in various locations
- Ensure the needs of members are adequately and properly addressed
- Encourage research and development of new technology
- Provide a single voice to speak on behalf of members where there is a common interest.

## EXPANDING MARINE CONTRACTING

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