

**Minutes** of a meeting of the Association's Lifting & Rigging Management Committee held on 4 September 2024 from 10:30 BST at IMCA office

Members present or joining via videoconference are recorded in section 2, with the following also attending:

Mark C Ford

IMCA

## 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, introductions and attendance

The chair welcomed members to the meeting.

A safety briefing was given for those members attending in person.

Apologies for absence were recorded, with the latest meeting attendance now as follows:

Name	Company	Dec-23	Mar-24	Jun-24	Sept-24
Laura Lombardi (Chair)	Usha Martin Italia	Attended	Attended	Attended	Attended
Tom McCallum (Vice-Chair)	TechnipFMC	Attended	Apologies	Attended	Apologies
Henk-Jan Bakkenes	Heerema	Apologies	Substitute	Attended	Attended
Maarten Loman	Van Oord	Apologies	Absent	Attended	Apologies
Arjo van Putten	NOV	N/A	N/A	N/A	Apologies
Robin van Nieuwkerk	Huisman	Attended	Attended	Attended	Attended
Richard Knight	McDermott	Attended	Apologies	Apologies	Absent
Robert Askins	Global Maritime	Attended	Attended	Attended	Attended
Sara Fletcher	Subsea 7	Attended	Substitute	Attended	Attended
Søren Møllgaard	Cadeler	Attended	Apologies	Apologies	Apologies
Tom Dillerop	Heerema (Asia Pacific)	Attended	Apologies	Attended	Apologies
Marco Pedroso	SBM (South America)	N/A	N/A	Attended	Attended
Peter Wolf	Siemens Gamesa	Attended	Apologies	Apologies	Attended
Michael Roberts	DNV (North America)	Attended	Attended	Apologies	Attended
<del>Arnoud Bosch</del>	<del>Seaway 7</del>	Attended	Attended	Attended	N/A
Jack Spaan	Boskalis	Attended	Attended	Attended	Attended

Legend:

Attended

Part-Time

S Substitute

✉ Apologies

Absent

N/A

It was noted that Arnoud Bosch had stepped down from the LRMC due to a move to Van Oord.

Michiel Mol of NOV had handed over his position to Arjo van Putten of NOV.

A discussion took place regarding the committee members who had not attended for the last three meetings. It was agreed that the members who had missed the last three meetings would be contacted regarding their status on the committee.

**Action: Mark Ford**

### 3 Minutes of the previous meeting

#### 3.1 Approval of the minutes

The minutes from the last meeting were agreed upon and would be duly signed by the chair as an accurate record.

A review of the previous meeting's actions took place, and actions carried forward to this meeting were discussed and noted.

It was mentioned that the outstanding personnel transfer carrier issue was to be handed over to IMCA's new HSE Manager as it was not a lifting issue but a safety one. Mark agreed to hand this over and provide feedback to the committee on progress.

**Action: Mark Ford**

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

There were no matters arising from the minutes that were not covered by existing agenda items.

### 4 Presentation from Peter Wolf of Siemens Gamesa – Wind speed measurements with Lidar systems on offshore installations

Peter Wolf of Siemens Gamesa presented a paper that he had developed on the use of LiDAR for wind speed measurements. The paper would be circulated to the committee members for comment and to look at the potential to develop an IMCA Informative Guidance document on the subject. The committee thanked Peter for his presentation.

**Action: Mark**

### 5 Un-minuted discussion – safety-related issues

The committee shared various safety-related matters.

### 6 Work Programme

#### 6.1 Committee 2024 objectives

The committee objectives for 2024 were reviewed as follows:

1. Form a working group to complete the revision to IMCA LR-004 - Guidance on non-destructive examination (NDE) by 30th June. **(Completed)**
2. **Form a working group** to complete the revision to IMCA LR-008 – Guidance on the manufacture and safe use of cable-laid slings and grommets by August 31st
3. Form a working group to complete the revision to IMCA LR-010 – Guidance for remotely operated vehicle load testing and inspection by July 2024. **(Completed)**
4. **Form a working group** to complete the revision to IMCA LR-002 – Crane specification document by August 2024
5. Plan and hold a successful lifting and rigging seminar in September – in Amsterdam, aiming for 120 attendees. Programme being developed – See agenda item 6.4 **(On target)**

6. Influence the G+ lifting focal group to reference IMCA guidance where applicable to reduce duplication – end of August 2024 – anticipate completion end of July 2024 (Awaiting publication)

It was also noted that IMCA LR 006 would be reviewed regarding human performance factors and lifting terminology. Mark mentioned that he had commenced this work and would be forming a small working group for the work.

## 6.2 Lifting Seminar 2024

The seminar was scheduled for the 12th of September at the Steigenberger Hotel, Amsterdam.

Mark updated the committee on the lifting and rigging seminar and presented the final programme.

Registration was open, and members of the Committee were requested to show their support by attending to assist with workshops etc. Registration was noted to be via the IMCA website or by using this link [HERE](#).

## 6.3 Document revision status

The committee were shown the status of the up-to-date documents and planned revisions on the LRMC document planner. The document revision status is shown below and can be found in the meeting slides.

Name	Guidance Refs	Latest Update	Latest Version	Status Reason
Crane specification document	IMCA LR002, IMCA M171	25/03/2019	2.0	Review Needed
Guidance for remotely operated vehicle load testing and inspection	IMCA LR010, IMCA R021	29/01/2019	1.0	Completed / publishing soon
Guidance on examination of steel wire rope through magnetic rope testing (MRT)	IMCA HSSE 023, IMCA LR 004, IMCA M 197	21/08/2019	1.1	Completed
Guidance on open parachute type underwater air lift bags	IMCA D016, IMCA LR007	30/11/2023	5.1	Current
Guidance on the manufacture and safe use of cable-laid slings and grommets	IMCA LR008, IMCA M179	23/05/2019	1.1	Review Needed
Guidance on the selection, safe use and inspection of high performance fibre slings used for engineered lifts	IMCA LR009, IMCA M237	18/08/2020	1.0	Current
Guidance on wire rope integrity management for vessels in the offshore industry	IMCA HSSE022, IMCA LR001, IMCA M194	01/10/2023	4.0	Current
Guidelines for lifting operations	IMCA D060, IMCA HSSE019, IMCA LR006, IMCA M187	20/06/2023	2.1	Review Needed
Recommended practice on the use of chain lever hoists in the offshore subsea environment	IMCA D028, IMCA LR005	22/06/2023	3.0	Current
The initial and periodic examination, testing and certification of ROV launch and recovery systems	IMCA LR011, IMCA R011	30/11/2023	2.1	Current

The working group to review LR 006 – *Guidelines for lifting operations*, was to be established. Members of the working group were to be Tom, Henk and Jack.

**Action: Mark Ford**

A discussion commenced regarding the revision of IMCA LR-008—*Guidance on the manufacture and safe use of cable-laid slings and grommets*. It was agreed that the LR 008 should be investigated regarding steel slings and grommets bending over a DIN hook regarding the DIN hook radius with respect to the size of the sling and the bending factor, which potentially resulted in over-engineering. A working group would be established for a general review of the document. Sara, Henk and Jack agreed to participate in the working group. It was also mentioned that the manufacturers should be included.

**Action: Mark Ford**

A working group would be set up to look at the revision of LR 002, the Crane specification document.

**Action: Mark Ford**

It was noted the document was now outdated and required re-assessment by the appropriate offshore crane manufacturers. Robin agreed to contact Arjo with a view to commencing the review in a small working group.

**Action: Robin and Arjo**

It was noted that all the above documents were also available on the Committee Teams site.

#### **6.4 LRMC Document downloads**

Mark presented a table showing the number of lifting and rigging document downloads from 1 January 2024 to date. It was noted that LR 006 – Guidelines for lifting operations remained the most downloaded document.

The full table can be found in the meeting slide pack.

#### **6.5 Standards which lead to exceeding manufacturers labelled WLL**

The committee were shown the emails regarding the issue with the UKHSE and BP regarding standards which lead to exceeding manufacturers labelled WLL on lifting equipment. It was noted that this is only for engineered lifts. IMCA's position on the matter was also shown. It was knotted that Alexander Steven of Subsea 7 was continuing to liaise with the UK HSE and BP and would feedback to the committee on the progress made.

### **7 New/Future Technology and Scenarios**

An un-minuted discussion took place on technology in development and in use.

The subject of the replacement of wind turbine components on float offshore wind installations was discussed.

### **8 Involvement with other organisations**

#### **8.1 BSI/ISO/EN matters**

The committee were updated as follows:

- 13852-1:2023 - Cranes — Offshore cranes — Part 1: General-purpose offshore cranes
  - Work is on-going with this
- ISO 16625 - Cranes and hoists — Selection of wire ropes, drums and sheaves
  - CD stage; Under SC 3/WG 3 responsibility
- ISO/DIS 4345 - Steel wire ropes — Fibre main cores — Specifications, is out for vote, deadline is 30th August 2024
- ISO 16841:2014 (vers 2) - Steel wire ropes — Pulling eyes for rope installation — Types and minimum requirement
  - Out for vote – withdraw, revise, etc. Previously, this was to be withdrawn. However, this standard has been adopted in other countries, hence out for new vote.

The committee noted that pulling eyes was a potential grey area, and there could be the opportunity for a common guideline, which would be explored at a later date.

**Action: Mark Ford**

## 8.2 LEEA

It was mentioned that IMCA had approached LEEA for joint collaborative membership and was awaiting a response. Mark agreed to follow this up with LEEA.

**Action: Mark Ford**

## 8.3 OMHEC

It was mentioned that the next OMHEC meeting was scheduled for Thursday, 7th November 2024, via Teams. The meeting papers contain the last set of minutes from the 22nd April meeting at the UKHSE offices in Aberdeen. The committee members were asked if they had any points to raise with OMHEC and to forward them to Mark.

## 8.4 API and COS feedback

Matt McLean of McDermott provided the Committee with a written update as follows:

- Meeting was held on the 28 August 2024
- It was previously shared that API has created a subcommittee API SC22 that covers crane and lifting publications including. The subcommittees, primary focus was working on developing two new publications as follows:
  - 2CIM - Integrity Management of Offshore Pedestal mounted Cranes (Under Development), Next 2CIM Meeting is scheduled for 1 October, 2024
  - 2D-3 Alternative Lifting Devices. (Under Development), Next 2D-3 Meeting is schedule for 3 October, 2024
- Other existing publications remain active API Specification 2C, API RP 2D and API RP 2D-2. The subcommittee will be reviewing the publications for errors and will issue an Errata, where required.
- The API Offshore Safe Lifting Conference & Expo will be held in Houston on 24 and 25 September 2024 in Houston.
- The Subcommittee was seeking volunteers or nominations for Vice Chair starting 2025.
- Next Meeting: 26 March 2025

### Center of Offshore Safety (COS) Lifting Subcommittee

The Subcommittee took some time recently to compare daily use checklists for cranes from willing members to review differences. Overall their inspection checklist were as expected, main differences found were typically related to specific crane configurations. The best part of the review was follow-up discussions regarding stop work, approval and review cycles. Many members mentioned they have had incident findings from a daily inspection checklist. Either through the checklist, not being done, being done haphazardly, or a discrepancy not being properly reported and stop work authority not used.

COS will be holding its annual Safety Forum on 26 September in Houston.

On 26 September COS will also release their 2024 annual report for CY2023. Early indication is that the operators in the GOM saw a decrease in reportable lifting incidents compared to 2022.

They will be sharing a review of their annual report on 10 October in a free webinar. Once we receive the invite, it will be shared with the LMRC. The next meeting is in November/December 2024.

## 8.5 DNV update

The following update was provided to the committee by Mike Roberts.

- DNV-ST-N001: Marine operations and marine warranty. Due to project commitments, I have not had time to review the comments to it. Work will reduce in intensity soon and I hope to get onto it then.
- DNV-ST-E272 2.7-2 Offshore service modules. This was issued August 2024.
- DNV-ST-E273 2.7-3 Portable offshore units. Presently undergoing general update with focus on materials, alignment with other DNV standards and update of references. Expected to go to external hearing in Q4 of 2024.
- DNV-ST-E281 Transportation and installation aids . There has been no change or developments since the last meeting - low priority document and if it is to progress, then time and funding will need to be allocated to it.
- DNV-RP-N202 Motion compensating systems. This was issued in June 2024.

The following are planned to have update work started on over the next year with nothing to report on the progress so far:

- DNV-OS-E303 Offshore Fibre Ropes.

## 8.6 G+ Renewables

Mark provided a G+ update as follows:

The final draft of the G+ lifting governance document (in meeting papers) is out for review by the WG. Once approved it will then go out for industry review.

The committee would be given the opportunity to comment on the final draft in the next few weeks and comments would be appreciated.

**Action: LRMC members**

## 8.7 ABS

No update was provided on ABS.

## 8.8 Other organisations

### Step Change

It was mentioned that there had been no change in any lifting related matters since the publication of their Lifting and Mechanical Handling Guidelines in November 2022

### International Association of Oil & Gas Producers (IOGP)

IOGP took part in the G+ lifting governance document.

## 9 IMCA Live 2024

Mark updated the committee on IMCA's events programme for 2024. The committee were informed that IMCA was reinstating the Global Summit on 3-4 December 2024 in Utrecht, Netherlands.

Committee members were requested to register their interest [HERE](#).

Further information can be found in the meeting slide pack.

## 10 Any other business

There was no further business raised.

## 11 Summary of action items

	<b>Actions stemming from this meeting</b>	<b>Responsible</b>	<b>Target</b>
1	Members who had missed the last three meetings would be contacted regarding their status on the committee.	Mark Ford	24 <sup>th</sup> September 2024
2	The personnel transfer carrier issue was to be handed over to IMCA's new HSE Manager	Mark Ford	24 <sup>th</sup> September 2024
3	The paper developed by Peter Wolf on the use of LiDAR for wind speed measurements will be circulated to the committee members for comment and to look at the potential to develop an IMCA Informative Guidance document on the subject	Mark Ford	<b>DONE</b>
4	A working group to review LR 006 – Guidelines for lifting operations, was to be established	Mark Ford	11 <sup>th</sup> December 2024
5	A working group would be established for a general review of <i>IMCA LR-008—Guidance on the manufacture and safe use of cable-laid slings and grommets</i>	Mark Ford	11 <sup>th</sup> December 2024
6	A working group would be set up to look at the revision of LR 002, the Crane specification document.	Mark Ford	11 <sup>th</sup> December 2024
7	The committee noted that pulling eyes was a potential grey area, and there could be the opportunity for a common guideline, which would be explored at a later date.	Mark Ford	11 <sup>th</sup> December 2024
8	Mark agreed to follow up on the joint membership with LEEA.	Mark Ford	11 <sup>th</sup> September 2024
9	The Committee to comment on the final draft of the G+ lifting guidance in the next few weeks.	LRMC	24 September 2024

## 12 Date and location of next meetings

The dates for the next LRMC meetings were as follows:

- **Tuesday 11th December – Teams**

Signed as a true record

Name

Date