



## Knots & Notes: Standards Review

*By Sarah Padilla, CI Technical Director*

Updates from other standards bodies that are relevant to the cordage industry.

### **ISO Documents published since last newsletter:**

- ISO 18692-2 - Fibre ropes for offshore stationkeeping - Part 2-Polyester

### **New Standard:**

- ISO 20615- Fibre Ropes- Electrostatic surface potential measuring method

### **ISO documents currently out for ballot**

- ISO 16663- Fishing nets - Method of test for the determination of mesh size - Part 1 - Opening size
- ISO 18692- 3 - Fibre ropes for offshore station keeping - Part 3: HMPE (previously ISO 14909) - ballot closes April 30
- ISO 23624-Cranes- Safe Use of High Performance Fibre Ropes in Crane Applications - Ballot closes May 10.

### **ISO documents recently voted on:**

- ISO 1140 - Fibre ropes - Polyamide - 3, 4, 8, and 12-strand ropes - revision approved
- ISO 1141- Fibre ropes - Polyester- 3, 4, 8 and 12-strand ropes - revision approved
- ISO 1346 - Fibre Ropes - Polypropylene split film, monofilament, and multifilament (PP2) and polypropylene high tenacity multifilament (PP#)-3, 4, 8, and 12- strand ropes - revision approved
- ISO 2307 - Fibre Ropes - Determination of certain physical and mechanical properties - approved for next steps
- ISO 9554 - Fibre Ropes: General Specifications - approved for next steps

### **ISO documents being reviewed for updates:**

- ISO 1968 - Fibre ropes and cordage - Vocabulary
- ISO 18264 - Textile Slings - Lifting slings for general purpose lifting operations made from fibre ropes - HMPE

### **ISO documents to be reviewed this year for revisions or updates:**

- ISO 1181 - Fibre ropes- Manila and sisal
- ISO 1969 - Fibre ropes - Polyethylene
- ISO 17920 - Fibre ropes for offshore stationkeeping - Aramid
- ISO 19336 - Fibre ropes for offshore station keeping - Polyarylate

### **ISO proposed new documents:**

- ISO XXXX - [Crane] Load lifting attachments - terminology - a draft has been proposed to the ISO 96 SC 3 working group for consideration.

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### **ASTM has 5 new work items:**

- [ASTM E4 – Standard practices for force verification of testing machines](#). There is a debate on how to define calibration.
- ASTM F1956 Standard Specification for Rescue Carabiners is planned to be harmonized with F1774 Standard Specification for Climbing and Mountaineering Carabiners.

- ASTM G151: Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that use Laboratory Light Sources recently finished review and has been published with those edits.
  - ASTM D7139- Standard Terminology for Cotton Fibers will be reviewed to make sure referenced standards are up to date and definitions are consistent with those standards.
  - ASTM F2959-18 - Standard Practice for Aerial Adventure Courses – plans to revise the scope, Section 7 auditing, Section 8.5 via ferrata testing, Section 10.1 SARC testing, and the definition of brakes will be edited in this revision.
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#### **ABS published standards:**

- [ABS 3 – Mobile Offshore Units](#) – underwent some consolidation and was published in January 2019
  - New standard [ABS 286 – Nearshore position mooring](#) published in January 2019 and had some editorial changes done in February. This Guidance covers nearshore position mooring systems for floating structures. The Jetty Mooring systems covers rope related components such as ropes or chains and the mooring equipment that works with the ropes.
  - New standard [ABS 292 – Position Mooring System](#) addresses mooring system design, specifications, and mooring system analysis.
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The National Association of Tower Erectors (NATE) adopted the CI-2001 – Guideline: Inspection and retirement criteria for fiber rope as part of their training materials for the OSHA Susan Harwood Training Grant 2019 Advanced Rigging Principles Training Courses. Section 4 of this training focuses on Synthetic Rope and uses CI-2001 as part of this section. 4 Trainings have been completed and 8 trainings will be held around the country throughout the rest of this year. [Read more.](#)

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The IMO's MEPC 73 adopted an action plan to address marine plastic litter from ships, intended to contribute to the global solution for preventing marine plastic litter entering the oceans through ship-based activities.

The Action Plan identifies a number of actions, which will be reviewed at MEPC 74 prior to further work being undertaken, including a proposed study on marine plastic litter from ships; looking into the availability and adequacy of port reception facilities; consideration of making marking of fishing gear mandatory; promoting the reporting of loss of fishing gear; facilitating the delivery of retrieved fishing gear to shore facilities; reviewing provisions related to the training of fishing vessel personnel and familiarization of seafarers to ensure awareness of the impact of marine plastic litter; and strengthening international cooperation, in particular the Food And Agriculture Organization (FAO) and UN Environment. [Read more.](#)

- The actions proposed in a Plan to be completed by 2025 include:
  - IMO Ship identification Number Scheme for fishing vessels and a requirement that all fishing gear be marked with the ships id number.
  - Require all ships larger than 100 GT to maintain a Garbage Record Book (currently it is ships larger than 400 GT). A Garbage Management Plan would need to be approved under the new standard.
  - Develop a mandatory system to report the loss of containers at sea
  - Improve port reception and treatment facilities to handle the marine plastic litter.
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The theme of the 2019 OIPEEC Conference held March 12th – 15th in The Hague, Netherlands was "Exploring Opportunities – Synthetic/Steel".

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The historic Royal Kurhaus hotel, located on the beach of the North Sea charmed 154 registrants from 25 countries with its views of the sea and old world architecture details. With 25 papers on the agenda the delegates enjoyed two full days of presentations.

On Wednesday prior to the start of the Conference, OIPEEC held its General Assembly to update members on the state of the organization. Members voted to elect new Management Committee members: President, John Dodd, Millfield Enterprises, Vice-President, Bill Putnam, Yale Cordage, Secretary, Jean Marc Teissier, DEP Engineering, Treasurer, Jeffrey Gilbert, Associated Wire Rope Fabricators and Editor, Pengzhu Wang, Bridon Bekaert.