Highlights of the Cordage Institute Fall 2025 Technical Meeting

On September 30-October 1, 2025, the Cordage Institute held a Technical Meeting at the dual-branded Element Philadelphia Downtown and W Philadelphia, conveniently located near Rittenhouse Square and City Hall. This year's meeting included an evening of friendly bowling that offered attendees an opportunity to connect and unwind in a fun setting. Additionally, the full Cordage Institute Technical Committee met, with each subcommittee and Task Group presenting their reports.

Danielle Stenvers reported that CI 1505 – Standard: Fiber Rope Static Bend Test Method completed round robin testing and would be updated prior to an internal ballot.

The draft of CI 1504 – Standard: Mooring Line Abrasion Test Method continued to be discussed within the committee and updates would be shared during the Winter Virtual Technical Meeting.

a. <u>3 and 8 Strand Ropes Subcommittee</u>
Sarah Padilla reported for Stephen Parola that the subcommittee had no updates to report.

b. <u>Arborist Ropes Subcommittee</u>
Josh Walls reported that the subcommittee had no updates to report.

c. <u>ASME B30.9 Task Group</u>
Greg D'Elia reported that the task group had no updates to report.

d. <u>Boiler Plate Subcommittee</u>
John Flory, new Chair of the Subcommittee, the results of a survey of the information within "The Box" of each published document. An internal guideline outlining suggested content would go for internal ballot.

Loet Hoppe reported on the warning label on each document. The warning should be updated with new language due to definitions on "qualified" in various countries and organizations. Updated language would go for internal ballot.

e. <u>Braided Ropes Subcommittee</u>
Rafael Chou reported that CI 1312 – Standard: Nylon (Polyamide) Fiber Rope, 12-Strand Single Braid Construction would go for internal ballot.

f. <u>Coatings Subcommittee</u>
Koen Van Goethem reported that the subcommittee had no updates to report.

g. <u>Cut Protection Guideline Task Group</u>
Greg D'Elia reported that CI 2016 – Guideline: Cut Testing Guidelines would be updated and would go for internal ballot.

h. Fiber Suppliers Subcommittee

Stuart Smith reported that a draft of CI 1507 – Standard: Test Method for Tensile Properties of Synthetic Fibers for Ropes would require further work before the next internal ballot.

Bill Fronzaglia from Avient volunteered for a technical presentation regarding the influence of test speed and temperature on fiber and rope testing for the 2026 Joint Conference.

i. Guidelines Subcommittee

Sarah Padilla reported for Thomas Caradec that the subcommittee had no updates to report.

j. High Tech Constructions Subcommittee

Danielle Stenvers reported that a new standard CI 1909 – Standard: LCP Rope Standard – High Tech Construction and CI 1910 – Standard: Aramid Rope Standard – High Tech Construction would be developed. Work is needed on the documents prior to the next internal ballot.

k. ISO Subcommittee

Loet Hoppe reported on the following documents and comments that would begin within ISO.

- ISO 10325- HMPE 8- and 12-strand braided and covered ropes would be discussed at the next ISO TC Meeting.
- ISO 9554- General Fibre Rope Spec – will likely be opened to support work being done in the ISO 10325 document revision.
- ISO 18692-1 –Offshore Mooring – General Standard - ballot ended shortly after this meeting.
- ISO 18692 – 2-5 – Offshore Mooring – Standards for specific fiber rope types - revisions will start in the near future. Still seeking input from users.
- ISO 18821 (MEG4 lite) passed FDIS. Proposals will have to be collected if we want to revise the document in the near future. Work on the Aramid and LCP rope standards are meant to support this potential revision. Because comments were not adequately considered, a formal ISO discussion was proposed for the ISO Meeting in October.

Note: Sarah Padilla followed up with ISO Committee Manager at the ISO Meeting in October. He said keeping to the timeline was more important than the process.

He also reported that any synchronization of ISO and CEN remains unlikely due to copyright issues brought about by the Malamud Lawsuit.

l. Life Cycle Management Subcommittee

Koen Van Goethem reported that the subcommittee has received funding approval from the Board of Directors for the website upgrade. There would not be a list of recyclers, but the page would focus on recycling news within the industry.

m. Life Safety Applications Subcommittee

Josh Walls reported that the following documents were approved by the Board and would be published:

- CI 1800 – Standard: Test Method for Life Safety Rope and Accessory Cords for Life Safety
- CI 1801 – Standard: Performance Requirements for Low Stretch and Static Life Safety Rope
- CI 1803 – Standard: Performance Requirements for Kernmantle Cords for Life Accessory Safety Applications

He also reported that CI 1805 – Standard: 3-Strand Life Safety Rope, Moderate Stretch would be updated and would go for internal ballot.

n. **OCIMF MEG4 Task Group**
Sarah Padilla reported for Amy Jenkins and noted that the MEG4 FAQ document was approved by the Board. This document would be presented to OCIMF. A request was made to members that have gone through the recertification process to share the details and process to allow for more information to be discussed at the meeting.

o. **Reduced Recoil Risk Rope Subcommittee**
Elizabeth Huntley reported that a new document on recoil movement would be developed by John Hughson at Samson Rope Technologies. She stated that CI 1502 – Guideline: Test Methods for High-Modulus Reduced Recoil Risk Ropes was due for a 5-year review and would go out for internal ballot.

She also reported that CI 1502 would be sent to ISO WC 38. This would block less established test methods from being adopted.

p. **Slings, Lifting, and Material Handling Subcommittee**
Greg D'Elia reported that CI 1702 – Standard: Soft Shackles would go out for internal ballot.

q. **Small Cords and Twines Subcommittee**
Sarah Padilla reported for Andrew Jencks that the subcommittee had no updates to report.

r. **Terminology Subcommittee**
Patrick Yerger reported that the subcommittee would begin to review new terms to be included in CI 1202 – Standard: Terminology.

s. **Testing Procedures Subcommittee**
Sarah Padilla reported for Shawn Davis that CI 1500A – Test Methods for Fiber Rope, Physical Properties would be updated and would go out for internal ballot. It was also reported that CI 1500B – Test Methods for Fiber Rope, Performance Properties was approved by the Board of Directors for publication.

t. **Yarn-on-Yarn Task Group**
Loet Hoppe reported that CI 1503 – Standard: Test Method for Yard-on-Yarn Abrasion: Polyamide and Polyester, CI 2009N – Guideline: Performance Requirements for Marine Grade Nylon Yarn for Fiber Rope, and CI 2009P – Guideline: Performance Requirements for Marine Grade Polyester Yarn for Fiber Rope received negative votes from the last internal ballot. The documents would be reviewed, updated, and would go out for internal ballot.

The negative votes on CI 2009P and CI 2009N by John Flory were withdrawn after he was assured that the new minimum marine grade criteria is the same as that in the original guidelines.

The next meeting of the Technical Committee would be held virtually on January 27-28, 2026.

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Fall Technical Meeting

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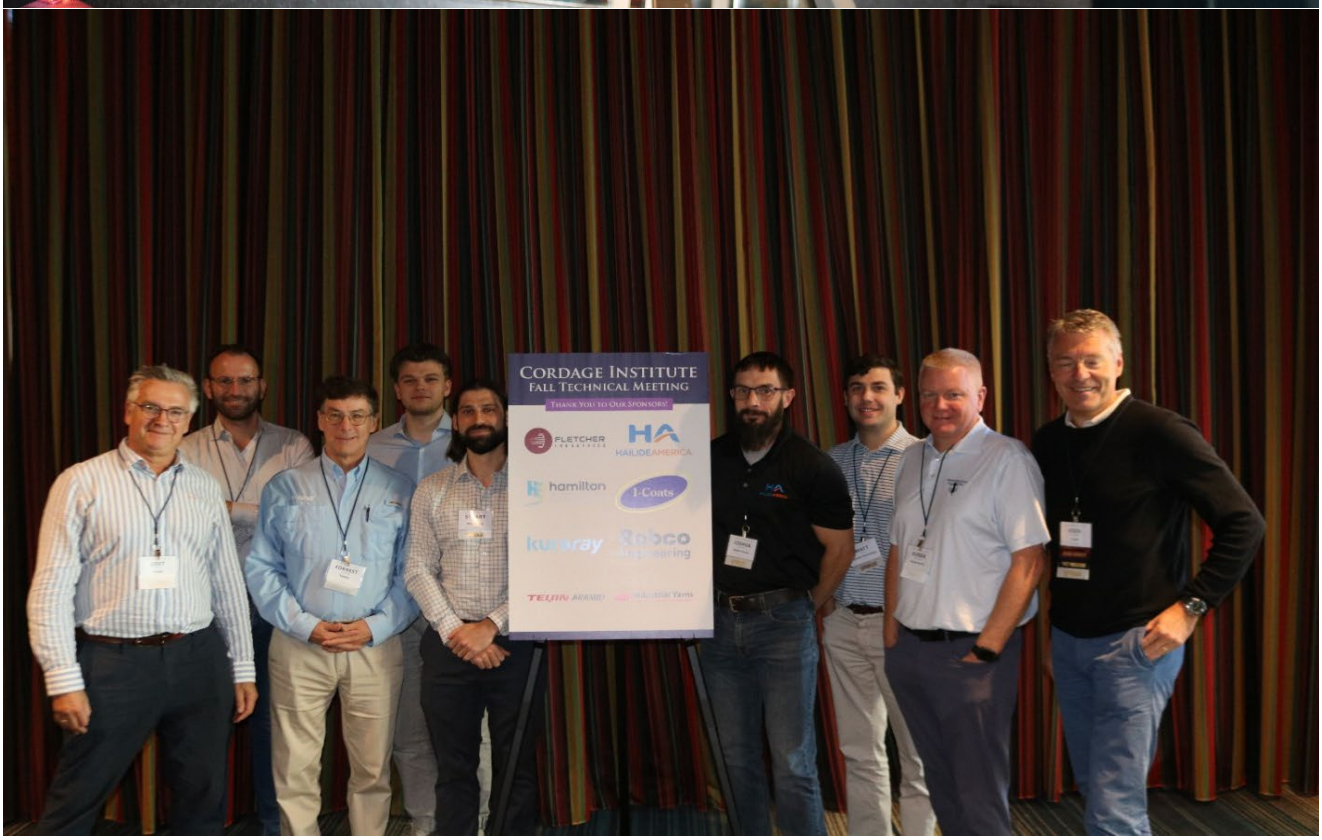
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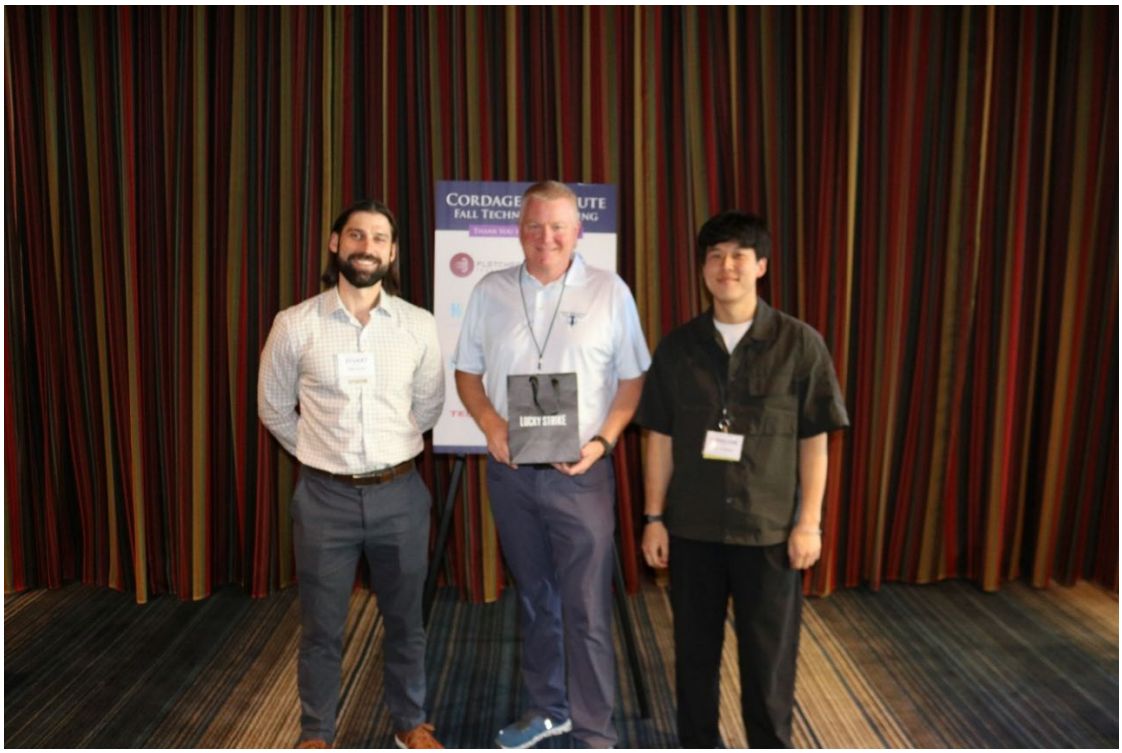

Congratulations to the top three Bowlers! From left to right: Stuart Smith, Teijin Aramid; Bubba Davenport, Hailide America; Yongjun Kang, Kolon Industries

Update ISO
ISO 10325
Proposed (courtesy Daniele)
Covered Ropes:
2 sets of ROPE linear density values (Polyester-covers & HMPE-covers)
LD represents the weight of the full ROPE (core & cover), and WITH coatings
New LD values are based on an average of a representative sampling of manufacturer's data
Remove the tolerance on linear density values in the table
Add a footnote to the table to state "The linear density is a typical value and varies based on the cover construction and the amount of coating applied"
3-Strand and 12-Strand Ropes:
LD represents the weight of the rope WITH coatings
New LD values are based on an average of a representative sampling of manufacturer's data
Remove the tolerance on linear density values in the table
Add a footnote to the table to state "The linear density is a typical value and varies based on the amount of coating applied"
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